

2020-2021

COURSE CATALOG

(Subject to Change)

7/8/2020: Revised by Bianca Abell

Carteret Community College is accredited by the Southern Association of Colleges and School Commission on Colleges to award the associate degree. The Commission on Colleges at 1866 Southern Lane, Decatur, GA 30033-4097 or call 404-679-4500 for questions about the accreditation of Carteret Community College.

An Equal Opportunity Educational Institution Serving the Community without regard to Race, Creed, Sex, National Origin or Disability.

NOTE: Most courses listed in this manual are be taught in this academic year. However, some courses are only "approved" for Carteret Community College to offer and may not be offered in this academic year.

Table of Contents

ACADEMIC RELATED (ACA)
ACCOUNTING (ACC)
ANTHROPOLOGY (ANT)
AQUACULTURE (AQU)
ARCHITECTURE (ARC)
ART (ART)
ASTRONOMY (AST)
AUTOMOTIVE (AUT)
BAKING & PASTRY ARTS (BPA)
BIOLOGY (BIO)
BLUEPRINT READING (BPR)
BOAT BUILDING (BTB)
BOAT MANUFACTURE / SERVICE (BMS)
BUSINESS (BUS)
CARPENTRY (CAR)
CHEMISTRY (CHM)
COMPUTER ENGINEERING TECHNOLOGY (CET)
COMMUNICATION (COM)
COMPUTER INFORMATION TECHNOLOGY (CTS)
COMPUTER SCIENCE (CSC)
COMPUTER TECH / INTEGRATION (CTI)
CONSTRUCTION (CST)
CONSTRUCTION MANAGEMENT (CMT)
COSMETOLOGY (COS)
CRIMINAL JUSTICE (CJC)

Page 4
CULINARY (CUL)
CYBER CRIME TECHNOLOGY (CCT)
DATABASE MANAGEMENT TECHNOLOGY (DBA)
DEVELOPMENTAL MATHEMATICS (DMA)
DEVELOPMENTAL MATH SHELL (DMS)96
DEVELOPMENTAL READING / ENGLISH (DRE)
DRAFTING (DFT)
DIGITAL MEDIA TECHNOLOGY (DME) 100
DRAMA / THEATRE (DRA) 101
ECONOMICS (ECO)
EDUCATION (EDU)
ELECTRONICS (ELN)
EMERGENCY MEDICAL SCIENCE (EMS)112
ENGINEERING (EGR) 118
ENGLISH (ENG)
FOOD SERVICE (FST)
GEOGRAPHY (GEO)
GEOLOGY (GEL)
HEALTH (HEA)
HEALTHCARE BUSINESS INFORMATICS (HBI)
HEALTH SCIENCES (HSC)
HEAVY EQUIPMENT MAINTENANCE (HET)132
HISTORY (HIS)
HORTICULTURE (HOR)
HOSPITALITY MANAGEMENT (HRM)145
HUMAN SERVICES (HSE)

Page 5
HUMANITIES (HUM)
HYDRAULICS (HYD)
INDUSTRIAL SCIENCE (ISC)
INFORMATION SYSTEMS (CIS) 158
INFORMATION SYSTEMS SECURITY (SEC)160
LEGAL EDUCATION (LEX) 162
MARINE (MRN) 169
MARINE PROPULSION SYSTEMS (MPS) 170
MARKETING AND RETAILING (MKT) 171
MASONRY (MAS) 172
MATHEMATICS (MAT) 173
MECHANICAL (MEC)
MEDICAL ASSISTING (MED)
MUSIC (MUS)
NETWORKING OPERATING SYSTEMS (NOS) 194
NETWORKING TECHNOLOGY (NET)
NURSING (NUR) 199
NURSING ASSISTANT (NAS)
OFFICE ADMINISTRATION (OST)
PHILOSOPHY (PHI)
PHOTOGRAPHY (PHO)
PHYSICAL EDUCATION (PED)
PHYSICS (PHY)
PLUMBING
POLITICAL SCIENCE (POL)
PSYCHOLOGY (PSY)

Page 6
RADIOGRAPHY (RAD)
RECREATION (REC)
RELIGION (REL)
RESPIRATORY THERAPY (RCP)
SCIENCE (SCI)
SIMULATION & GAME DEVELOPMENT (SGD)
SOCIOLOGY (SOC)
SPANISH (SPA)
SUBSTANCE ABUSE (SAB)
TELECOMM & NETWORKING ENGINEERING (TNE)
THERAPEUTIC MASSAGE (MTH)
TRANSPORATION TECHNOLOGY (TRN)
WEB TECHNOLOGIES (WEB)
WELDING (WLD)
WORK – BASED LEARNING (WBL)

P a g e | 7

ACADEMIC RELATED (ACA)

				(1101)	_)			
			<u>Class</u>	Lab	<u>Clinical</u>	<u>Work Exp</u>	<u>o Credit</u>	
ACA-115	Success and S	tudy Skills	0	2	0	0	1	
	Prerequisites:	None						
	Corequisites:	None						
	Description:	This course provides an orientation to the campus resources and academic skills necessary to achieve educational objectives. Emphasis is placed on an exploration of facilities and services, study skills, library skills, self-assessment, wellness, goal-setting, and critical thinking. Upon completion, students should be able to manage their learning experiences to successfully meet educational goals.						
		back to	<u>top</u>					
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	<u>Work Exr</u>	<u>o</u> <u>Credit</u>	
ACA-118	College Study	Skills	1	2	0	0	2	
	Prerequisites:	None						
	Corequisites:	None						
	Description:	This course provides an orientation to the campus resources and academic skills necessary to achieve educational objectives. Emphasis is placed on an exploration of facilities and services, study skills, library skills, self-assessment, wellness, goal-setting, and critical thinking. Upon completion, students should be able to manage their learning experiences to successfully meet educational goals						
		back to	<u>top</u>					
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	<u>Work Exp</u>	<u>o Credit</u>	
ACA-122	College Trans	fer Success	0	2	0	0	1	
	Prerequisites:	None						
	Corequisites:	None						
	Description:	This course provides information and strategies necessary to develop clear academic and professional goals beyond the community college experience Topics include the CAA, college policies and culture, career exploration, gathering information on senior institutions, strategic planning, critical thinking, and communications skills for a successful academic transition. Upon completion, students should be able to develop an academic plan to transition successfully to senior institutions.					velop clear experience. oloration, critical ransition. ic plan to	

Competencies

- 1. Develop a strategic plan for completing community college academic goals, including certificates, diplomas, and/or associate degrees.
- 2. Develop a strategic plan for transferring to a university and preparing for a new career.
- 3. Identify the rights and responsibilities of transfer students under the Comprehensive Articulation Agreement (CAA), including Universal General Education Transfer Component (UGETC) designated courses, the Transfer Assured Admissions Policy (TAAP), the CAA appeals process, and university tuition surcharge.
- 4. Evaluate learning strategies, including note-taking, test-taking, information processing, time management, and memorization techniques, and identify strategies for improvement.
- 5. Identify essential college resources, including financial aid, advising, registration, tutoring, library services, computer labs, and counseling services and recognize the importance of these resources on student success.
- 6. Identify essential college policies and procedures, including academic integrity such as avoiding plagiarism; calculating a GPA, and maintaining satisfactory academic progress for financial aid eligibility and/or good academic standing.

back to top

		<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	Credit
ACA-220	Professional Transition	1	0	0	0	1
	Prerequisites: None					

Corequisites: None

Description: This course provides preparation for meeting the demands of employment or education beyond the community college experience. Emphasis is placed on strategic planning, gathering information on workplaces or colleges, and developing human interaction skills for professional, academic, and/or community life. Upon completion, students should be able to successfully make the transition to appropriate workplaces or senior institutions.

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ACCOUNTING (ACC)

			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	<u>Work Exp</u>	<u>Credit</u>	
ACC-115	Principles of I	Financial Accounting	3	2	0	0	4	
	Prerequisites:	None						
	Corequisites:	None						
	Description:	This course introduces basic accounting principles for a business. Topics include the complete accounting cycle with end-of-period statements, bank reconciliation, payrolls, and petty cash. Upon completion, students should be able to demonstrate an understanding of accounting principles and apply those skills to a business organization.						
		back to	top					
			<u>Class</u>	Lab	<u>Clinical</u>	Work Exp	<u>Credit</u>	
ACC-120	Principles of I	Financial Accounting	3	2	0	0	4	
	Prerequisites:	None						
	Corequisites:	None						
	Description:	This course introduces busi information systems. Empl reporting, and interpreting is should be able to prepare fi financial information in dec	ness deci hasis is p financial nancial s cision-ma	sion-m laced of informa tatemer iking ar	aking usin n analyzin ation. Upo nts, unders nd address	ng accounting, summarized g, summarized on completion tand the role ethical const	g zing, on, students e of siderations.	
		back to	<u>top</u>					
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>Credit</u>	
ACC-121	Principles of M	Managerial Accounting	3	2	0	0	4	
	Prerequisites:	ACC-120						
	Corequisites:	None						
	Description: This course includes a greater emphasis on managerial and cost accounting skills. Emphasis is placed on managerial accounting concepts for external and internal analysis, reporting and decision-making. Upon completion, students should be able to analyze and interpret transactions relating to managerial concepts including product-costing systems.							

							Page 10
		back to	top				
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	<u>Work Exp</u>	<u>Credit</u>
ACC-129	Individual Inc	ome Taxes	2	2	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
		taxation. Topics include tax the use of technology for pro- completion, students should applicable tax law, and com	a law, electron eparation be able t plete vari	ctronic of indi o analy ious ind	research a ividual inc ze basic t dividual ta	and method come tax ret ax scenario ax forms. <u>ba</u> Work Exp	ologies, and turns. Upon s, research <u>ck to top</u> Credit
ACC-132	NC Business '	Faxes	<u>C1035</u>	<u>12a0</u> 3	<u>0</u>	<u>0</u>	<u>2</u>
	Prerequisites:	None	-	C	Ũ	Ū	-
	Corequisites:	None					
	Description:	Accription: This course introduces the relevant laws governing North Carolina taxes they apply to business. Topics include sales taxes, income taxes for busin entities, payroll taxes, unemployment taxes, and other taxes pertaining to State of North Carolina. Upon completion, students should be able to maintain a company's records to comply with the laws governing North Carolina business taxes. <u>back to top</u>					

Payroll Accou State Prerequi Corequisites:	nting sites: Take ACC-115 or A	1	3	0	0	2		
State Prerequi Corequisites:	sites: Take ACC-115 or A				~	2		
Corequisites:	State Prerequisites: Take ACC-115 or ACC-120;							
1	None							
Description: This course covers federal and state laws pertaining to w payroll tax forms, and journal and general ledger transact placed on computing wages; calculating social security, unemployment taxes; preparing appropriate payroll tax to journalizing/posting transactions. Upon completion, stude to analyze data, make appropriate computations, complet accounting entries using appropriate technology.								
	back t	<u>to top</u>						
		<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	Credit		
Accounting Second	oftware Applications	1	3	0	0	2		
State Prerequisites: Take ACC-115 or ACC-120;								
Corequisites: None								
Description: This course introduces microcomputer applications related to accounting systems. Topics include general ledger, accounts receivable, accounts payable, inventory, payroll, and correcting, adjusting, and closing entri- Upon completion, students should be able to use a computer accounting package to accountable solve accounting package.								
	back t	<u>o top</u>						
		<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	Credit		
Advanced Sof	tware Appl	1	3	0	0	2		
State Prerequisites: Take ACC-150;								
Corequisites:	None							
Description: This course provides continued exposure to commercial accounting software and the opportunity to refine accounting software skills. Emphasis is placed on advanced applications of software packages. Upon completion, students should be able to use commercial software to complete complex accounting tasks.								
	Accounting So State Prerequi Corequisites: Description: Advanced Sof State Prerequi Corequisites: Description:	Advanced Software Appl State Prerequisites: Take ACC-150; Corequisites: None Advanced Software Appl State Prerequisites: Take ACC-150; Corequisites: None	playion tax tornis, and journal and ge placed on computing wages; calcula unemployment taxes; preparing appri- journalizing/posting transactions. Up to analyze data, make appropriate co- accounting entries using appropriate <u>back to top</u> <u>Class</u> Accounting Software Applications 1 State Prerequisites: Take ACC-115 or ACC-120; Corequisites: None Description: This course introduces microcomput systems. Topics include general ledg payable, inventory, payroll, and corr Upon completion, students should be package to accurately solve accounti <u>back to top</u> <u>Class</u> Advanced Software Appl 1 State Prerequisites: Take ACC-150; Corequisites: None Description: This course provides continued export and the opportunity to refine account on advanced applications of software should be able to use commercial so tasks.	payron tax roms, and journal and general is placed on computing wages; calculating soc unemployment taxes; preparing appropriate journalizing/posting transactions. Upon com to analyze data, make appropriate computat accounting entries using appropriate techno <u>back to top</u> <u>Class</u> <u>Lab</u> Accounting Software Applications 1 3 State Prerequisites: Take ACC-115 or ACC-120; Corequisites: None Description: This course introduces microcomputer appl systems. Topics include general ledger, acco payable, inventory, payroll, and correcting, Upon completion, students should be able to package to accurately solve accounting prof <u>back to top</u> <u>Class</u> <u>Lab</u> Advanced Software Appl 1 3 State Prerequisites: Take ACC-150; Corequisites: None Description: This course provides continued exposure to and the opportunity to refine accounting sof on advanced applications of software packa should be able to use commercial software tasks.	payton day forms, and journal and general redger than placed on computing wages; calculating social securit unemployment taxes; preparing appropriate payroll ta journalizing/posting transactions. Upon completion, s to analyze data, make appropriate computations, comp accounting entries using appropriate technology. <u>back to top</u> <u>Class Lab Clinical</u> Accounting Software Applications 1 3 0 State Prerequisites: Take ACC-115 or ACC-120; Corequisites: None Description: This course introduces microcomputer applications rece payable, inventory, payroll, and correcting, adjusting, Upon completion, students should be able to use a compackage to accurately solve accounting problems. <u>back to top</u> <u>Class Lab Clinical</u> Advanced Software Appl 1 3 0 State Prerequisites: Take ACC-150; Corequisites: None Description: This course provides continued exposure to commerce and the opportunity to refine accounting software skil on advanced applications of software packages. Upon should be able to use completions of software to completions, and the opportunity to refine accounting software skil on advanced applications of software to completions.	payton tax torms, and journal and general redget intrastactions is placed on computing wages; calculating social security, income, unemployment taxes; preparing appropriate payroll tax forms; ar journalizing/posting transactions. Upon completion, students sho to analyze data, make appropriate computations, complete forms accounting entries using appropriate technology. back to top Class Lab Clinical Work Exp Accounting Software Applications 1 3 0 0 State Prerequisites: None Description: This course introduces microcomputer applications related to accompayable, inventory, payroll, and correcting, adjusting, and closing. Upon completion, students should be able to use a computer accompactage to accurately solve accounting problems. back to top Class Lab Clinical Work Exp Advanced Software Appl 1 3 0 0 State Prerequisites: Take ACC-150; Corequisites: None Description: This course provides continued exposure to commercial accounting and the opportunity to refine accounting software skills. Emphas on advanced applications of software to complete complex tasks.		

			<u>Class</u>	<u>Lab</u>	Clinical	Work Ex	<u>p</u> Credit
ACC-180	Practices in B	ookkeeping	3	0	0	0	3
	State Prerequi	sites: Take ACC-120;					
	Corequisites:	None					
	Description:	This course provides advar keeping functions. Emphas correction of errors, deprec students should be able to o businesses.	iced instru- is is place iation, pa conduct a	uction i ed on m yroll, a ll key b	n bookkee astering a nd invento ookkeepin	ping and d djusting e ory. Upon ng function	record- ntries, completion ns for small
		back to	top				
		ANTHROPOL	OGY (A	ANT)			
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Ex	p Credit
ANT-210	General Anthr	ropology	3	0	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course introduces the ethnological fields of anthr variations, archaeology, lin Upon completion, students of the four major fields of a	physical, opology. oguistics, should be anthropol	archaeo Topics primato e able to ogy.	blogical, li include h logy, and demonst	nguistic, a uman orig contempo rate an un	and gins, genetic orary culture derstanding
	Description:	This course introduces the ethnological fields of anthr variations, archaeology, lin Upon completion, students of the four major fields of a <u>back to</u>	physical, opology. guistics, should b anthropol	archaeo Topics primato e able to ogy.	blogical, li include h logy, and b demonst	nguistic, a uman orig contempo rate an un	and gins, genetic orary culture derstanding
	Description:	This course introduces the ethnological fields of anthr variations, archaeology, lin Upon completion, students of the four major fields of a <u>back to</u>	physical, opology. guistics, should be anthropole top <u>Class</u>	archaeo Topics primato e able to ogy. <u>Lab</u>	blogical, li include h logy, and demonst <u>Clinical</u>	nguistic, a uman orig contempo rate an un <u>Work Ex</u>	and gins, genetic orary culture derstanding <u>p Credit</u>
ANT-220	Description: Cultural Anthr	This course introduces the ethnological fields of anthr variations, archaeology, lin Upon completion, students of the four major fields of a <u>back to</u> ropology	physical, opology. guistics, should be anthropole top <u>Class</u> 3	archaeo Topics primato e able to ogy. <u>Lab</u> 0	blogical, li include h blogy, and o demonst <u>Clinical</u> 0	nguistic, a uman orig contempo rate an un <u>Work Ex</u> 0	and gins, genetic orary culture derstanding <u>p Credit</u> 3
ANT-220	Description: Cultural Anthe Prerequisites:	This course introduces the ethnological fields of anthr variations, archaeology, lin Upon completion, students of the four major fields of a <u>back to</u> ropology None	physical, opology. guistics, should be anthropole top <u>Class</u> 3	archaed Topics primato e able to ogy. <u>Lab</u> 0	blogical, li include h blogy, and b demonst <u>Clinical</u> 0	nguistic, a uman orig contempo rate an un <u>Work Ex</u> 0	and gins, genetic orary culture derstanding <u>p Credit</u> 3
ANT-220	Description: Cultural Anthe Prerequisites: Corequisites:	This course introduces the ethnological fields of anthr variations, archaeology, lin Upon completion, students of the four major fields of a <u>back to</u> ropology None None	physical, opology. guistics, should be anthropole top <u>Class</u> 3	archaed Topics primato e able to ogy. <u>Lab</u> 0	blogical, li include h logy, and o demonst <u>Clinical</u> 0	nguistic, a uman orig contempo rate an un <u>Work Ex</u> 0	and gins, genetic orary culture derstanding <u>p Credit</u> 3

						Page	13
		<u>Class</u>	Lab	<u>Clinical</u>	Work Exp	<u>Credit</u>	
NT-221	Comparative Cultures	3	0	0	0	3	

Prerequisites: None

A

Corequisites: None

Description: This course provides an ethnographic survey of societies around the world covering their distinctive cultural characteristics and how these relate to cultural change. Emphasis is placed on the similarities and differences in social institutions such as family, economics, politics, education, and religion. Upon completion, students should be able to demonstrate knowledge of a variety of cultural adaptive strategies.

back to top

AQUACULTURE (AQU)

		<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	<u>Work Exp</u>	<u>Credit</u>
AQU-111	Aquaculture I	3	0	0	0	3
	Prerequisites: None					
	Corequisites: None					

Description: This course introduces the basic principles of fish and shellfish production. Topics include site selection; water quality; nutrition and feeding; management of diseases and parasites; genetics and breeding; and harvest, transport and marketing. Upon completion, students should be able to describe the natural conditions and management practices necessary to produce a crop of fish or shellfish.

			Class	Lab	Clinical	Work Exp	<u>o</u> <u>Credit</u>
AQU-112	Aquaculture II	[3	0	0	0	3
-	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course covers the speci- variety of aquatic species. I importance in North Carolin rainbow trout, crawfish, clar should be able to describe th production plan for each of	ific cultu Emphasis na, espec ms, and o ne variou the speci	re techi s is plac ially ch oysters. s cultur es cove	niques use eed on spec- annel catf Upon co re methods ered. <u>back t</u>	d in the pro cies of eco ish, hybrid mpletion, s s and prepa to top	oduction of nomic striped bas students are a
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>Credit</u>
QU-120	Aquabusiness		3	0	0	0	3
	Prerequisites:	None					
	Corequisites:	None		1.	1.		
	Corequisites: Description:	None This course provides a basic management, and marketing farms for profitable product Upon completion, students a farm/business plan for poter	c backgro g. Emph ion and t should be ntial lend	ound in asis is p he sale e able to lers and	aquacultu blaced on t of fish an prepare a investors	ral econom the manage d shellfish a good qua	nics, busine ement of products. lity
	Corequisites: Description:	None This course provides a basic management, and marketing farms for profitable product Upon completion, students a farm/business plan for poter back to	c backgro g. Emph ion and t should bo ntial lend top	ound in asis is p he sale e able to lers and	aquacultu blaced on t of fish an o prepare a investors	ral econom the manage d shellfish a good qua	nics, busine ement of products. lity
	Corequisites: Description:	None This course provides a basic management, and marketing farms for profitable product Upon completion, students farm/business plan for poter <u>back to</u>	c backgro g. Emph ion and t should be ntial lend <u>top</u> <u>Class</u>	ound in asis is p he sale e able to lers and <u>Lab</u>	aquacultu blaced on t of fish an o prepare a investors <u>Clinical</u>	ral econom the manage d shellfish a good qua <u>Work Exp</u>	nics, busine ement of products. lity <u>o Credit</u>
AQU-161	Corequisites: Description: Aquaculture P	None This course provides a basic management, and marketing farms for profitable product Upon completion, students farm/business plan for poter <u>back to</u>	c backgro g. Emph ion and t should be ntial lend top <u>Class</u> 0	ound in asis is p he sale e able to lers and <u>Lab</u> 3	aquacultu blaced on t of fish an o prepare a investors <u>Clinical</u> 0	ral econom the manage d shellfish a good qua <u>Work Exp</u> 0	nics, busine ement of products. lity <u>o Credit</u> 1
AQU-161	Corequisites: Description: Aquaculture P Prerequisites:	None This course provides a basic management, and marketing farms for profitable product Upon completion, students farm/business plan for poter back to tracticum I None	c backgro g. Emph ion and t should be ntial lend top <u>Class</u> 0	ound in asis is p he sale e able to lers and <u>Lab</u> 3	aquacultu blaced on t of fish an o prepare a investors <u>Clinical</u> 0	ral econom the manage d shellfish a good qua <u>Work Exp</u> 0	nics, busine ement of products. lity <u>c Credit</u> 1
AQU-161	Corequisites: Description: Aquaculture P Prerequisites: Corequisites:	None This course provides a basic management, and marketing farms for profitable product Upon completion, students a farm/business plan for poter <u>back to</u> racticum I None None	c backgro g. Emph ion and t should be ntial lend top <u>Class</u> 0	ound in asis is p he sale e able to lers and <u>Lab</u> 3	aquacultu olaced on t of fish an o prepare a investors <u>Clinical</u> 0	ral econom the manage d shellfish a good qua <u>Work Exp</u> 0	nics, busine ement of products. lity <u>o Credit</u> 1
AQU-161	Corequisites: Description: Aquaculture P Prerequisites: Corequisites: Description:	None This course provides a basic management, and marketing farms for profitable product Upon completion, students a farm/business plan for poter <u>back to</u> racticum I None None This course provides studen fish/shellfish farming. Emp in daily management. Upor routine duties associated wi production facility.	c backgro g. Emph ion and t should be ntial lend <u>top</u> <u>Class</u> 0 uts with p phasis is p n comple th the da	ound in asis is p he sale e able to lers and <u>Lab</u> 3 ractical placed o tion, stu	aquacultu olaced on t of fish an o prepare a investors <u>Clinical</u> 0 hands-on on introdu- udents sho agement o	ral econom the manage d shellfish a good qua <u>Work Exp</u> 0 experience ctory conce puld be able of a fish/she	nics, busines ement of products. lity <u>o Credit</u> 1 e in epts involve to perform ellfish

			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Ex	<u> Credit</u>
AQU-162	Aquaculture P	racticum II	0	3	0	0	1
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course is designed to fish/shellfish production. techniques used to produce completion, students shou with the production of var	provide st Emphasis e a variety ld be able ious specie	tudents is place of spec to comp es of fis	with basic ed on the s cies of fish plete the v h/shellfish	e hands-or pecialized n/shellfish arious tas n.	n experience d culture . Upon ks associated
		back to	<u>o top</u>				
			<u>Class</u>	Lab	Clinical	Work Ex	<u>ap</u> <u>Credit</u>
AQU-163	Aquaculture P	racticum III	0	3	0	0	1
	Prerequisites:	None					
	Corequisites:	None					
	Corequisites: Description:	None This course is designed to fish/shellfish production. associated with fish/shellfi season. Upon completion, problems associated with	provide st Emphasis ish produc , students s warm seas	udents is place tion dur should l on fish/	with basic ed on the s ring the cr be able to shellfish j	hands-or pecial pro itical war address th production	n experience oblems m summer ne various n. <u>back to top</u>
	Corequisites: Description:	None This course is designed to fish/shellfish production. associated with fish/shellfi season. Upon completion, problems associated with y	provide st Emphasis ish produc , students warm seas <u>Class</u>	udents is place tion du should l on fish/ <u>Lab</u>	with basic ed on the s ring the cr be able to shellfish <u>I</u> <u>Clinical</u>	hands-or pecial pro itical war address th production <u>Work Ex</u>	n experience oblems m summer ne various n. <u>back to top</u> sp <u>Credit</u>
AQU-164	Corequisites: Description: Aquaculture P	None This course is designed to fish/shellfish production. associated with fish/shellfi season. Upon completion, problems associated with v	provide st Emphasis ish produc , students warm seas <u>Class</u> 0	tudents is place tion dur should l on fish/ <u>Lab</u> 3	with basic ed on the s ring the cr be able to shellfish <u>I</u> <u>Clinical</u> 0	hands-or pecial pro itical war address th production <u>Work Ex</u> 0	n experience oblems m summer ne various n. <u>back to top</u> sp <u>Credit</u> 1
AQU-164	Corequisites: Description: Aquaculture P Prerequisites:	None This course is designed to fish/shellfish production. associated with fish/shellfi season. Upon completion, problems associated with v racticum IV None	provide st Emphasis ish produc , students warm seas <u>Class</u> 0	tudents is place tion dur should l on fish/ <u>Lab</u> 3	with basic ed on the s ring the cr be able to shellfish p <u>Clinical</u> 0	hands-on pecial pro itical war address th production <u>Work Ex</u> 0	n experience oblems m summer ne various n. <u>back to top</u> ap <u>Credit</u> 1
AQU-164	Corequisites: Description: Aquaculture P Prerequisites: Corequisites:	None This course is designed to fish/shellfish production. associated with fish/shellfi season. Upon completion, problems associated with v racticum IV None None	provide st Emphasis ish produc , students i warm seas <u>Class</u> 0	tudents is place tion dur should l on fish/ <u>Lab</u> 3	with basic ed on the s ring the cr be able to shellfish p <u>Clinical</u> 0	hands-or pecial pro- itical war address th production <u>Work Ex</u> 0	n experience oblems m summer ne various n. <u>back to top</u> sp <u>Credit</u> 1
AQU-164	Corequisites: Description: Aquaculture P Prerequisites: Corequisites: Description:	None This course is designed to fish/shellfish production. associated with fish/shellfi season. Upon completion, problems associated with v racticum IV None None This course is designed to experience in fish/shellfish topics in aquaculture, inclu- breeding. Upon completion and pathogenic diseases an organisms.	provide st Emphasis ish product, students i warm seas <u>Class</u> 0 provide st h production uding nutri on, student nd should	tudents is place tion dur should l on fish/ <u>Lab</u> 3 sudents on. Em ition, di ition, di s shoul- be profi	with basic ed on the s ring the cr be able to (shellfish p <u>Clinical</u> 0 with adva phasis is p seases, an d be able to icient at se	hands-on pecial pro- itical war address the production <u>Work Ex</u> 0 nced hand blaced on ad genetics to recogni electing br	n experience oblems m summer ne various n. <u>back to top</u> sp <u>Credit</u> 1 ls-on advanced s and ze nutritiona rood

			<u>Class</u>	Lab	Clinical	Work Exp	<u>o</u> Credit
AQU-165	Aquaculture P	racticum V	0	3	0	0	1
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course is designed to p experience in fish/shellfish design, construction and m able to design, construct an facilities.	provide st production aintenance ad mainta	tudents on. Em ce. Upo in a var	with adva ophasis is p on complet iety of aqu	nced hands blaced on f ion, studer laculture p	s-on acility nts should b roduction
		back to	top				
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>o</u> Credit
AQU-166	Aquaculture P	Practicum VI	0	3	0	0	1
	Duono autoita at						
	Prerequisites:	None					
	Corequisites: Description:	None None This course is designed to p	provide s	tudents	with adva	nced hands	s-on
	Corequisites: Description:	None None This course is designed to p experience in fish/shellfish management in aquaculture in the management of wate facilities.	provide st production e. Upon o r quality	tudents on. Em complet in a var	with adva nphasis is 1 tion, stude tiety of aqu	nced hands blaced on v nts should laculture p	s-on vater qualit be proficie roduction
	Corequisites: Description:	None None This course is designed to p experience in fish/shellfish management in aquaculture in the management of wate facilities.	provide st production e. Upon o r quality	tudents on. Em complet in a var	with adva phasis is p tion, stude iety of aqu	nced hands blaced on v nts should laculture p	s-on vater qualit be proficie roduction
	Corequisites: Description:	None None This course is designed to p experience in fish/shellfish management in aquaculture in the management of wate facilities. <u>back to</u>	provide st production e. Upon o r quality top <u>Class</u>	tudents on. Em complet in a var <u>Lab</u>	with adva phasis is p tion, stude iety of aqu <u>Clinical</u>	nced hands blaced on v nts should laculture p <u>Work Ex</u> t	s-on vater qualit be proficies roduction
AQU-210	Corequisites: Description: Limnology &	None None This course is designed to p experience in fish/shellfish management in aquaculture in the management of wate facilities. <u>back to</u> Water Quality	provide so production e. Upon of or quality <u>top</u> <u>Class</u> 3	tudents on. Em complet in a var <u>Lab</u> 0	with adva uphasis is p tion, stude riety of aqu <u>Clinical</u> 0	nced hands blaced on v nts should laculture p <u>Work Exp</u> 0	s-on vater qualit be proficies roduction <u>p Credit</u> 3
AQU-210	Corequisites: Description: Limnology & Prerequisites:	None None This course is designed to p experience in fish/shellfish management in aquaculture in the management of wate facilities. <u>back to</u> Water Quality None	provide se production e. Upon de pr quality <u>top</u> <u>Class</u> 3	tudents on. Em complet in a var <u>Lab</u> 0	with adva ophasis is p tion, stude riety of aqu <u>Clinical</u> 0	nced hands blaced on v nts should laculture p <u>Work Exp</u> 0	s-on vater qualit be proficien roduction <u>p Credit</u> 3
AQU-210	Corequisites: Description: Limnology & Prerequisites: Corequisites:	None None This course is designed to p experience in fish/shellfish management in aquaculture in the management of wate facilities. <u>back to</u> Water Quality None None	provide se production e. Upon de production	tudents on. Em complet in a var <u>Lab</u> 0	with adva ophasis is p tion, stude riety of aqu <u>Clinical</u> 0	nced hands blaced on v nts should laculture p <u>Work Ex</u> J 0	s-on vater qualit be proficie roduction <u>p Credit</u> 3
AQU-210	Corequisites: Description: Limnology & Prerequisites: Corequisites: Description:	None None This course is designed to p experience in fish/shellfish management in aquaculture in the management of wate facilities. back to Water Quality None None This course introduces the ponds. Topics include the p standing water bodies with completion, students should an appropriate managemen	provide se production e. Upon de r quality <u>top</u> <u>Class</u> 3 ecosyster ohysical, of emphasis d be able t plan for	tudents on. Em complet in a var <u>Lab</u> 0 n dynar chemica s on pra to colle	with adva phasis is p tion, stude riety of aqu <u>Clinical</u> 0 mics of fre al, and bio actical mar ect and ana water pon	nced hands blaced on v nts should laculture p <u>Work Exp</u> 0 shwater la logical asp hagement. I llyze data a d or lake.	s-on vater quality be proficient roduction <u>o Credit</u> <u>3</u> kes and bects of Upon and develop
AQU-210 Competence	 Prerequisites: Corequisites: Description: Limnology & Prerequisites: Corequisites: Description: 	None None This course is designed to p experience in fish/shellfish management in aquaculture in the management of wate facilities. back to Water Quality None None This course introduces the ponds. Topics include the p standing water bodies with completion, students should an appropriate managemen	provide se production e. Upon de r quality <u>top</u> <u>Class</u> 3 ecosyster ohysical, of emphasis d be able t plan for	tudents on. Em complet in a var <u>Lab</u> 0 n dynar chemica s on pra to colle	with adva phasis is p tion, stude riety of aqu <u>Clinical</u> 0 mics of fre al, and bio actical mar ect and ana water pon	nced hands blaced on v nts should laculture p <u>Work Exp</u> 0 shwater la logical asp hagement. I lyze data a d or lake.	s-on vater qualit be proficie roduction <u>o Credit</u> <u>3</u> kes and bects of Upon and develop

- 2. Discuss the environmental requirements for successful fish production in ponds.
- 3. Perform quantitative assessments of bodies of water.

 P a g e | 17

 4. Identify nuisance aquatic organisms and make recommendations for their control, using the least

 toxic method available.

			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	Credit
AQU-220	Aquaculture F	Facilities	3	0	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course covers the design shellfish. Topics include per motors and pumps, water we and recirculating system design a variety of aquact	gn of fac ond cons vells, cag vsign. Up culture pr	ilities u truction e and ra oon com oductio	sed in the , open-cha aft construct pletion, st n systems	production of annel and pip ctions and fl cudents shou	of fish and pe flows, ow-through ld be able
		back to	top				
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	Credit
AQU-230	Fish Genetics	and Breeding	3	0	0	0	3
	State Prerequi	isites: Take BIO-111;					
	Corequisites:	None					
	Description:	This course covers the print breeding of fish and shellfis traits that affect various pro- using commonly cultured s to discuss the basic principle programs for a variety of co	ciples of sh. Empl oduction pecies. U les of ger ommonly	qualitat hasis is paramet Jpon co netics an culture	tive and que placed on ters, with r ompletion, and design a ed species.	antitative g quantitative numerous ex student sho appropriate	enetics and genetic amples uld be able breeding
		back to	top				
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>Credit</u>
AQU-240	Fish Nutrition	and Diseases	3	0	0	0	3
	State Prerequi	isites: Take BIO-111;					
	Corequisites:	None					
	Description:	This course introduces the p provides a background in the infestations. Topics include feed formulation, feeding p parasites, and medication are should be able to discuss the microbial and parasitic disc	principles ne manag e nutritio ractices, nd diseas ne princip ease of fis	s of fish gement of nal requ viral di e preve les of n sh and s	and shell of diseases uirements seases, bac ntion. Up utrition an hellfish.	fish nutrition and parasit of fish and s cterial diseas on completind id identify a	n and ic hellfish, ses, on, students nd control

							Page 18
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Ex	p <u>Credit</u>
AQU-251	Hatchery Mar	agement I	3	0	0	0	3
	State Prerequi	sites: Take One Set:					
		Set 1: BIO-111 and C	HM-151				
		Set 2: BIO-111, CHM	-131, and	I CHM	-131A		
	Corequisites:	None					
	Description:	This course introduces the b management. Topics include requirements for the propage crustaceans, and mollusks. describe the environment to variety of cultured species.	basic prin le the bas gation of a Upon con olerances	ciples of ic chen a variet npletio and pre	of fish and nical, phys y of comn n, students eferences f	shellfish ical, and b nonly cult s should b for reprodu	hatchery piological ured fish, e able to uction of a
		back to	<u>top</u>				
			<u>Class</u>	<u>Lab</u>	Clinical	Work Ex	p <u>Credit</u>
AQU-252	Hatchery Mar	nagement II	3	0	0	0	3
	State Prerequi	sites: Take AQU-251;					
	Corequisites:	None					
	Description:	This course covers the spec of a variety of commonly cu include facility requirement techniques for several speci striped bass, rainbow trout, able to develop a plan for th hatchery facility.	ific techr ultured sp ts, hatche es, inclue and othe ne succes	iques u becies o ry prod ding cla rs. Upo sful opo	used in the of fish and luction pla turns, shrim on comple eration of a	artificial shellfish. nning, and p, catfish, tion, stude a fish or sh	propagation Topics d propagation , hybrid ents should be hellfish
		back to	<u>top</u>				
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Ex	<u>p</u> <u>Credit</u>
AQU-280	Aquaculture F	Project	0	6	0	0	3
	State Prerequi	sites: Take AQU-112;					
	Corequisites:	None					
	Description:	This course provides the stu individualized project in the Emphasis is placed on the a interest to the student. Upo demonstrate specialized know	ident with e study of opplication on complet owledge	h an op f aquacu n of aqu etion, st of an ac	portunity (ulture, des uaculture j udents sho lvanced to	to complet igned by to principles buld be ab pic in aqu	te an the instructor. to a topic of le to aculture.
		back to	<u>top</u>				

ARCHITECTURE (ARC)

		<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	Credit
ARC-112	Constr. Matls & Methods	3	2	0	0	4

State Prerequisites: Take ART-131;

Corequisites: None

Description: This course introduces construction materials and methodologies. Topics include construction terminology, traditional and alternative materials and their properties, manufacturing processes, construction techniques, and other related topics. Upon completion, students should be able to detail construction assemblies and identify construction materials and properties.

Competencies

Student Learning Outcomes

- 1. Identify construction methods.
- 2. Identify traditional and sustainable construction materials and their properties.
- 3. Describe basic construction sequences for residential and commercial applications.
- 4. Demonstrate an understanding of construction related terminology.

back to top

ART (ART)

		Clas	<u>s Lab</u>	<u>Clinical</u>	Work Exp	Credit
ART-111	Art Appreciation	3	0	0	0	3

Prerequisites: None

Corequisites: None

Description: This course introduces the origins and historical development of art. Emphasis is placed on the relationship of design principles to various art forms including but not limited to sculpture, painting, and architecture. Upon completion, students should be able to identify and analyze a variety of artistic styles, periods and media.

			Class	<u>Lab</u>	Clinical	Work Ex	p <u>Credit</u>
ART-114	Art History Su	ırvey I	3	0	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course covers the deve Renaissance. Emphasis is p Upon completion, students understanding of art as a pr	elopment placed on should b roduct ref	of art f conten e able t lective	orms from at, termino o demonst of human	ancient ti logy, desig rate an his social dev	mes to the gn, and style storical elopment.
		back to	top				
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Ex	p Credit
ART-115	Art History Su	rvey II	3	0	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	D · · ·			c c		1 0	
	Description:	This course covers the deve present. Emphasis is place Upon completion, students understanding of art as a pr	elopment d on cont should b roduct ref	of art f ent, ter e able t lective	orms from minology, o demonst of human	the Renai design, ar rate an his social dev	issance to th nd style. storical elopment.
	Description:	This course covers the deve present. Emphasis is place Upon completion, students understanding of art as a pr <u>back to</u>	elopment d on cont should b roduct ref <u>top</u>	of art f ent, ter e able t lective	forms from minology, o demonst of human	the Rena design, ar rate an his social dev	issance to th nd style. storical elopment.
	Description:	This course covers the deve present. Emphasis is place Upon completion, students understanding of art as a pr <u>back to</u>	elopment d on cont should b roduct ref top <u>Class</u>	of art f ent, ter e able t lective <u>Lab</u>	orms from minology, o demonst of human <u>Clinical</u>	the Renated the Renated the Renated the Renated the design, and the rate and his social development of the rate of	issance to th nd style. storical elopment. <u>p Credit</u>
ART-121	Description: Two-Dimensio	This course covers the deve present. Emphasis is place Upon completion, students understanding of art as a pr <u>back to</u> onal Design	elopment d on cont should b roduct ref top <u>Class</u> 0	of art f ent, ter e able t lective <u>Lab</u> 6	orms from minology, o demonst of human <u>Clinical</u> 0	the Renation the Renation of the Renation of the second se	issance to the nd style. Storical relopment. p <u>Credit</u> 3
ART-121	Description: Two-Dimension Prerequisites:	This course covers the deve present. Emphasis is place Upon completion, students understanding of art as a pr <u>back to</u> onal Design None	elopment d on cont should b roduct ref <u>top</u> <u>Class</u> 0	of art f ent, ter e able t lective <u>Lab</u> 6	forms from minology, o demonst of human <u>Clinical</u> 0	the Renation design, and rate an his social dev <u>Work Ex</u> 0	issance to the nd style. storical relopment. <u>p Credit</u> 3
ART-121	Description: Two-Dimension Prerequisites: Corequisites:	This course covers the deve present. Emphasis is place Upon completion, students understanding of art as a pr <u>back to</u> onal Design None None	elopment d on cont should b roduct ref <u>top</u> <u>Class</u> 0	of art f ent, ter e able t lective <u>Lab</u> 6	forms from minology, o demonst of human <u>Clinical</u> 0	the Rena design, ar rate an his social dev <u>Work Ex</u> 0	issance to the nd style. storical elopment. <u>p Credit</u> 3

			Class	Lab	Clinical	Work Exp	Page 21 Credit
ART-122	Three-Dimens	ional Design	0	6	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course introduces base design. Emphasis is placed principles as applied to ma be able to apply three-dime	ic studio j d on the st ss and spa ensional d	problen tructura ace. Uf lesign c	ns in three Il elements oon compl oncepts.	dimension and organ etion, stude	al visual izational ents should
		back to	<u>o top</u>				
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	Credit
ART-131	Drawing I		0	6	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course introduces the drawing materials. Empha graphic principles. Upon c competence in the use of g	language sis is plac completion raphic for	of drav ced on c n, stude rm and	ving and th lrawing teents should various dra	ne use of va chniques, n l be able to awing proc	rious nedia, and demonstrate esses.
		back to	<u>o top</u>				
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	Credit
ART-132	Drawing II		0	6	0	0	3
	State Prerequi	sites: Take ART-131;					
	Corequisites:	None					
	Description:	This course continues instr various materials. Emphase drawing techniques, media should be able to demonstr graphic form and technique	ruction in is is place , and grap rate increa	the lang d on ex ohic ma used con	guage of d perimenta terials. Up mpetence i	rawing and tion in the oon complet n the expre	the use of use of tion, student essive use of
		back to	ton				

		Class	Lab	Clinical	Work Dw	Page 22
	T	Class	Lao	Cinicai	WOIK EX	
Figure Drawir	ng I	0	6	0	0	3
State Prerequi	sites: Take ART-131;					
Corequisites:	None					
Description:	This course introduces rend Emphasis is placed on the proportion in the representa completion, students should the human figure.	lering the use of the ation of th d be able	human visual he drape to demo	with vari elements, ed and unc onstrate co	ous drawin anatomy, a lraped figu ompetence	ng materials. and are. Upon in drawing
	back to	top				
		Class	<u>Lab</u>	<u>Clinical</u>	Work Exp	p Credit
Computer Art	Ι	0	6	0	0	3
Prerequisites:	None					
Corequisites:	None					
Description:	This course introduces the problems. Emphasis is pla design through bit-mapped should be able to demonstr and scanners to capture, ma	use of the ced on fu image m ate an une anipulate,	e compu ndamer anipula derstand and ou	iter as a to itals of con- tion. Upo- ding of pai- tput image	ol for solv mputer lite n complet int programes.	ing visual erary and ion, students ns, printers,
	back to	top				
Gallery Assist	antship I	0	6	0	0	3
Prerequisites:	None					
Corequisites:	None					
Description:	This course covers the practice is placed on preparation of exhibition graphics. Upon a demonstrate basic gallery explanation back to	etical appl artwork f completic exhibition top	fication for insta on, stude skills.	of display Illation, ha ents shoul	r technique rdware sy d be able t	es. Emphasis stems, and o
	Figure Drawir State Prerequi Corequisites: Description: Computer Art Prerequisites: Description: Gallery Assist Prerequisites: Corequisites: Description:	Figure Drawing I State Prerequisites: Take ART-131; Corequisites: None Description: This course introduces rend Emphasis is placed on the or proportion in the representation completion, students should the human figure. Dack to Computer Art I Prerequisites: None Corequisites: None Description: This course introduces the problems. Emphasis is platic design through bit-mapped should be able to demonstration and scanners to capture, main back to Callery Assisters None Corequisites: None Corequisites: None Carequisites: None Corequisites: None Corequisites: None Corequisites: None Corequisites: None Corequisites: None Corequisites: None Description: This course covers the prace is placed on preparation of exhibition graphics. Upon of demonstrate basic gallery exits of the constrate basic gallery exits of the prace is placed on preparation of exhibition graphics. Upon of demonstrate basic gallery exits of the prace is placed on preparation of exhibition graphics. Upon of demonstrate basic gallery exits of the prace is placed on preparation of exhibition graphics. Upon of demonstrate basic gallery exits of the prace is placed on preparation of exhibition graphics. Upon of exhibition graphics.	Figure Drawing I 0 State Prerequisites: Take ART-131; 0 Corequisites: None Description: This course introduces rendering the Emphasis is placed on the use of the proportion in the representation of the completion, students should be able to the human figure. Computer Art I 0 Prerequisites: None Corequisites: None Corequisites: None Description: This course introduces the use of the problems. Emphasis is placed on function of a computer Art I Description: This course introduces the use of the problems. Emphasis is placed on function of a computer Art I O None Description: This course introduces the use of the problems. Emphasis is placed on function of a computer Art I Gallery Assist-tship I 0 Prerequisites: None Corequisites: None Gallery Assist-tship I 0 Prerequisites: None Description: This course covers the practical applic is placed on preparation of artwork of exhibition graphics. Upon completion of artwork of exhibition graphics. Upon completi	ClassLabFigure Drawing I06State Prerequisites: Take ART-131;06Corequisites:NoneImage: Completion in the composition of the use of the stand proportion in the representation of the human figure.Image: Completion, students should be able to the human figure.Description:NoneImage: Completion, students should be able to the human figure.Computer Art I06Prerequisites:NoneImage: Completion, students siplaced on the use of the stand proportion in the representation of the human figure.Computer Art I06Prerequisites:NoneImage: Completion, students is placed on full signation of the stand proportion in the representation of artwork is placed on preparation of artwork is placed on preparation of artwork is placed on the stand proportion is placed on preparation of artwork is placed on preparation of the stand proportion is placed on preparation of artwork is placed on preparation of the stand proportion is placed on preparation of artwork is	Equation 1Equation 1	ClassLabClinicalWork ExpFigure Drawing I0600State Prerequisites:Take ART-131; 0 600Corequisites:None 1 1 1 1 1 Description:This course introduces rendering the human with various drawing proportion in the representation of the draped and undraped figure completion, students should be able to demonstrate able to demonstrate of the visual elements, anatomy, is proportion in the representation of the draped and undraped figure completion, students should be able to demonstrate an undraped figure completion, students should be able to demonstrate an undraped figure and undraped figure and undraped figure and undraped figure completion, students should be able to demonstrate an undraped figure and should be able to demonstrate an understanding of paint proper and and completing through bit-mapped image manipulation. Upon completing through

			Class	Lab	Clinical	Work Exp	Page 23 Credit
ART-214	Portfolio and I	Resume	0	2	0	0	1
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course covers resume y presentation of an art portfol portfolio of original artwork approaches to resume writin students should be able to p write an effective resume.	writing, i blio. Emp c, the prep ng, and in hotograp	ntervie hasis is paration terviev h and p	w skills, a s placed or n of a phor v techniqu present a d	nd the preparator tographic portion es. Upon co igital portfo	aration and ation of a ortfolio, ompletion, olio and
		back to	<u>top</u>				
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>Credit</u>
ART-231	Printmaking I		0	6	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course introduces print processes. Emphasis is place image source and developm produce printed images util	tmaking; ced on ba ient. Upo izing a va	its histe sic app on comp ariety o	ory, develo lications v pletion, stu f methods	opment tech vith investig udents shou	nniques, and gation into ld be able to
		back to	<u>top</u>				
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>Credit</u>
ART-232	Printmaking I	[0	6	0	0	3
	Prerequisites:	Take ART-231					
	Corequisites:	None					
	Description:	This course includes addition Emphasis is placed on the p concept. Upon completion, images utilizing both tradition <u>back to</u>	onal meth printed im students onal and <u>top</u>	ods and age as should innova	d printmak related to be able to tive metho	ting process method, sou produce ex ods.	ses. arce, and pressive

			Class	Lab	Clinical	Work Exp	Page 24 Credit
ART-240	Painting I		0	6	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course introduces the l painting materials. Emphase various painting techniques students should be able to d processes directed toward the	anguage sis is plac , media, lemonstra he develo	of pain ed on t and col- ate com	ting and the he underst or principl petence in of express	he use of va tanding and les. Upon c the use of sive form.	rious use of completion, creative
		back to	<u>top</u>				
			Class	<u>Lab</u>	Clinical	<u>Work Exp</u>	<u>Credit</u>
ART-241	Painting II		0	6	0	0	3
	State Prerequi	sites: Take ART-240;					
	Corequisites:	None	innin a in	vestice	tion of the	motoriala	
	Corequisites: Description:	None This course provides a cont and techniques of painting. expressive content using a v students should be able to d form and variety.	inuing in Emphas variety of lemonstra	vestiga is is pla creativ ate com	tion of the aced on the ve processe petence in	e materials, e exploratio es. Upon co the expand	processes, on of ompletion, led use of
	Corequisites: Description:	None This course provides a cont and techniques of painting. expressive content using a v students should be able to d form and variety. <u>back to</u>	inuing in Emphas variety of lemonstra top	vestiga is is pla creativ ate com	tion of the aced on the re processe petence in	e materials, e exploratio es. Upon co the expand	processes, in of ompletion, led use of
	Corequisites: Description:	None This course provides a cont and techniques of painting. expressive content using a v students should be able to d form and variety. <u>back to</u>	inuing in Emphas variety of lemonstra <u>top</u> <u>Class</u>	vestiga is is pla creativ ate com <u>Lab</u>	tion of the aced on the re processe petence in <u>Clinical</u>	e materials, e exploratio es. Upon co the expand <u>Work Exp</u>	processes, on of ompletion, led use of <u>Credit</u>
ART-260	Corequisites: Description: Photography A	None This course provides a cont and techniques of painting. expressive content using a v students should be able to d form and variety. <u>back to</u>	inuing in Emphas variety of lemonstra top <u>Class</u> 3	vestiga is is pla creativ ate com <u>Lab</u> 0	tion of the aced on the petence in <u>Clinical</u> 0	e materials, je exploratio es. Upon co the expand <u>Work Exp</u> 0	processes, on of ompletion, led use of <u>Credit</u> 3
ART-260	Corequisites: Description: Photography A Prerequisites:	None This course provides a cont and techniques of painting. expressive content using a v students should be able to d form and variety. <u>back to</u> Appreciation None	inuing in Emphas variety of lemonstra top <u>Class</u> 3	vestiga is is pla creativ te com <u>Lab</u> 0	tion of the aced on the perocesse petence in <u>Clinical</u> 0	e materials, j e exploratio es. Upon co the expand <u>Work Exp</u> 0	processes, on of ompletion, led use of <u>Credit</u> 3
ART-260	Corequisites: Description: Photography A Prerequisites: Corequisites:	None This course provides a cont and techniques of painting. expressive content using a v students should be able to d form and variety. <u>back to</u> Appreciation None None	inuing in Emphas variety of lemonstra <u>top</u> <u>Class</u> 3	vestiga is is pla creativ ate com <u>Lab</u> 0	tion of the aced on the ve processo petence in <u>Clinical</u> 0	e materials, j e exploratio es. Upon co the expand <u>Work Exp</u> 0	processes, on of ompletion, led use of <u>Credit</u> 3

			Class	Lab	Clinical	Work Exr	Page 2 Credit
ART-261	Photography I		0	6	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course introduces phot Emphasis is placed on came and creative expression. Up successfully expose, develo	ographic era opera pon comp p, and pr	equipn tion, co pletion, rint a we	nent, theor omposition students s ell-conceiv	ry, and pro , darkroom hould be a ved compo	cesses. 1 techniques ble to sition.
		back to	<u>top</u>				
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	<u>Work Exp</u>	o Credit
ART-264	Digital Photog	raphy I	0	6	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	D · /·						
	Description:	This course introduces digit Emphasis is placed on came manipulation and creative e able to successfully expose, composition. <u>back to top</u>	tal photogera era opera expression digitally	graphic tion, co n. Upor / manip	equipmen omposition n completi oulate, and	at, theory and computer on, student print a wel	nd processe photo s should be ll-conceived
	Description:	This course introduces digit Emphasis is placed on came manipulation and creative e able to successfully expose, composition. <u>back to top</u>	al photogera era opera xpression digitally <u>Class</u>	graphic tion, co n. Upor / manip <u>Lab</u>	equipment omposition on completi- oulate, and <u>Clinical</u>	it, theory and computer on, student print a wel	nd processe photo s should be ll-conceived
ART-266	Description: Videography I	This course introduces digit Emphasis is placed on came manipulation and creative e able to successfully expose, composition. <u>back to top</u>	al photogera era opera expression digitally <u>Class</u> 0	graphic tion, co n. Upor / manip <u>Lab</u> 0	equipment omposition on completi- pulate, and <u>Clinical</u> 0	it, theory and computer on, student print a wel <u>Work Exp</u> 0	nd processe photo s should be ll-conceived <u>o Credit</u> 3
ART-266	Videography I Prerequisites:	This course introduces digit Emphasis is placed on came manipulation and creative e able to successfully expose, composition. <u>back to top</u> None	al photogera era opera expression digitally <u>Class</u> 0	graphic tion, co n. Upor / manip <u>Lab</u> 0	equipment omposition n completi oulate, and <u>Clinical</u> 0	it, theory and computer on, student print a wel <u>Work Exp</u> 0	nd processe photo s should be ll-conceived <u>o Credit</u> 3
ART-266	Videography I Prerequisites: Corequisites:	This course introduces digit Emphasis is placed on came manipulation and creative e able to successfully expose, composition. <u>back to top</u> None None	tal photogera era opera expression digitally <u>Class</u> 0	graphic tion, co n. Upor 7 manip <u>Lab</u> 0	equipment omposition on completi- oulate, and <u>Clinical</u> 0	it, theory and computer on, student print a wel <u>Work Exp</u> 0	nd processe photo ss should be ll-conceived <u>c Credit</u> 3

			Class	Lah	Clinical	Work Ex	n Credit
APT 267	Videography I	т	0	<u>Lao</u>	<u>emicar</u>		<u>2 Crean</u>
AK1-207	Proroquisitos:	Taka APT 266	0	0	0	0	5
	Concernicitae	None					
	Corequisites:		• 1	C	1.6.4	1 .··	6 1
	Description:	term video project. Empl vision. Upon completion coherent, edited video wi	nasis is plac , students sl ith sound ar	rainew ed on re hould b nd titlin	ealization e able to p g. <u>back to t</u>	of the unic oroduce a the the trop	que creative
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>p</u> Credit
ART-271	Digital Design	ı II	0	6	0	0	3
	Prerequisites:	ART-171					
	Corequisites:	None					
	Description:	This course includes adv	anced digit	al techn	iques in ra	aster, vecto	or, and time
	Description:	This course includes adv based media. Emphasis i digital technologies. Upo demonstrate command or vision.	anced digits s based on on completion f various di	al techn creative on, stud gital sys	iques in ra application lents shoul stems to ea	aster, vecto on and inte ld be able t xpress thei	or, and time gration of to r personal
	Description:	This course includes adv based media. Emphasis i digital technologies. Upo demonstrate command or vision.	anced digits s based on o on completion f various di to top	al techn creative on, stud gital sys	iques in ra application lents shoul stems to ea	aster, vecto on and inte ld be able t xpress thei	or, and time gration of to r personal
	Description:	This course includes adv based media. Emphasis i digital technologies. Upo demonstrate command or vision.	anced digits s based on o on completion f various di to top <u>Class</u>	al techn creative on, stud gital sys <u>Lab</u>	iques in ra application lents shoul stems to est <u>Clinical</u>	aster, vecto on and inte ld be able t xpress thei <u>Work Ex</u>	or, and time gration of to r personal <u>p Credit</u>
ART-281	Description: Sculpture I	This course includes adv based media. Emphasis i digital technologies. Upo demonstrate command or vision.	anced digits s based on o on completion f various di to top <u>Class</u> 0	al techn creative on, stud gital sys <u>Lab</u> 6	iques in ra application lents shoul stems to est <u>Clinical</u> 0	aster, vecto on and inte ld be able t xpress thei <u>Work Exp</u> 0	or, and time gration of to r personal <u>p Credit</u> 3
ART-281	Description: Sculpture I Prerequisites:	This course includes adv based media. Emphasis i digital technologies. Upo demonstrate command or vision. <u>back</u>	anced digits s based on o on completion f various di to top <u>Class</u> 0	al techn creative on, stud gital sys <u>Lab</u> 6	iques in ra application lents shoul stems to est <u>Clinical</u> 0	aster, vecto on and inte ld be able t xpress thei <u>Work Ex</u> 0	or, and time gration of to r personal <u>p Credit</u> 3
ART-281	Description: Sculpture I Prerequisites: Corequisites:	This course includes adv based media. Emphasis i digital technologies. Upo demonstrate command or vision. <u>back</u> None None	anced digits s based on o on completion f various di to top <u>Class</u> 0	al techn creative on, stud gital sys <u>Lab</u> 6	iques in ra applicatio lents shoul stems to e <u>Clinical</u> 0	aster, vecto on and inte ld be able t xpress thei <u>Work Ex</u> 0	or, and time gration of to r personal <u>p Credit</u> 3

			Class	Lab	Clinical	Work Ex	Page 27 D Credit
ART-282	Digital Photog	graphy I	0	6	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course introduces digit Emphasis is placed on came manipulation and creative e able to successfully expose, composition. <u>back to top</u>	al photog era opera xpression digitally	graphic tion, co n. Upor manip	equipmen mposition completion ulate, and	t, theory a , compute on, studen print a we	nd processes. r photo ts should be ll-conceived
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Ex	<u>p</u> <u>Credit</u>
ART-283	Ceramics I		0	6	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course provides an intrusing the medium of clay. Surface design, glaze applic should be able to demonstrative wheel forms, glaze technique	roduction Emphasis ation, and ate skills ue and cre	to thre s is plac d firing in slab eative e	e-dimensi ced on fun . Upon co and coil co xpression	onal desig damentals ompletion, onstruction s.	n principles of forming, students n, simple
		back to	<u>top</u>				
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Ex	p Credit
ART-284	Ceramics II		0	6	0	0	3
							5
	State Prerequi	sites: Take ART-283;					5
	State Prerequi Corequisites:	sites: Take ART-283; None					5

			01	T 1	01 1		Page 2
	a 1		Class	Lab	Clinical	Work Exp	Credit
ART-288	Studio		0	6	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course provides the op beyond the limits of regular creative self-expression and Upon completion, students to media, materials, and tech	portunity studio co in-depth should be hniques. <u>t</u>	ourse se explor explor e able to back to	vanced sel equences. ration of te o create or top	f-determine Emphasis i echniques ar iginal proje	ed work is placed on nd materials ects specific
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>Credit</u>
ART-289	Museum Stud	У	2	2	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
		completion, students should hand and on-site research.ba	be able the top	to demo $\frac{1}{2}$	onstrate th	e advantage	n art. Upon e of first-
		ASIKONOW		1)			
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>Credit</u>
AST-111	Descriptive A	stronomy	3	0	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course introduces an or an overview of the solar sys universe. Upon completion, understanding of the universe	verall vie tem, the students se around	w of m sun, sta should l them. <u>l</u>	odern astr urs, galaxie be able to back to top	conomy. To es, and the o demonstra	pics include larger ate an
			<u>Class</u>	Lab	<u>Clinical</u>	Work Exp	<u>Credit</u>
AST-111A	Descriptive A	stronomy I	0	2	0	0	1
	Prerequisites:	None					
	Corequisites:	Take AST-111					
	Description:	The course is a laboratory to laboratory experiences which and which provide practical able to demonstrate an under	o accomp ch enhanc experier erstanding	oany AS ce the n nce. Up g of the	ST 111. En naterials p on comple universe	nphasis is p resented in etion, studer around ther	blaced on AST 111 nts should b n. <u>back to to</u>

							D
			Class	Lab	Clinical	Work Exp	Page 29 <u>Credit</u>
AST-151	General Astro	nomy I	3	0	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	Desemption.	on the solar system. Empha astronomy and an introduct comets, and meteors. Upon demonstrate a general unde	ion to the completi rstanding	ced on the solar study of the	the history system, inc dents shou solar syste	y and physic cluding the ald be able em. <u>back to</u>	cs of planets, to <u>top</u>
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	<u>Work Exp</u>	<u>o</u> <u>Credit</u>
AST-151A	General Astro	nomy Lab	0	2	0	0	1
	Prerequisites:	None					
	Corequisites:	Take AST-151					
	Description:	The course is a laboratory to laboratory experiences which and which provide practical able to demonstrate a gener	o accomp ch enhand l experier al unders	oany AS ce the n nce. Up tanding	ST 151. Er naterials p on comple g of the sol	mphasis is presented in etion, stude lar system.	placed on AST 151 ents should be <u>back to top</u>

Page	30

AUTOMOTIVE (AUT)

			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	Credit
AUT-113	Automotive S	ervicing I	0	6	0	0	2
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course is a lab used a placed on shop operations, replacing components usin information. Upon comple of automotive repairs usin appropriate equipment.bac	s an altern troublesh g appropr tion, stude g proper se <u>k to top</u>	ative to ooting, iate tes ents sho ervice j	o co-op pla , testing, a t equipme ould be ab procedures	acement. Er djusting, rej nt and servi le to perform s and to ope	nphasis is pairing, and ice m a variety rate
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>Credit</u>
AUT-114	Safety and En	nissions	1	2	0	0	2
	Prerequisites:	None					
	Corequisites:	None					
	Description:	perform a North Carolina a include brake, steering and mirrors, and emission cont should be able to perform and Emissions inspections	s, procedu State Safe I suspensio rol device complete	ty and l on, ligh on inspe and tho	d specifica Emissions tting, horn ction. Upo rough Nor	ations needs inspection. , windshield on completi rth Carolina	ed to Topics d wiper, tire, on, students State Safety
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	Credit
AUT-116	Engine Repair		2	3	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	Description:						
		back to	<u>o top</u>				
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>Credit</u>
AUT-116A	Engine Repair	: Lab	0	3	0	0	1
	Prerequisites:	Take AUT-116					
	Corequisites:	None					
	Description:						
		back to	<u>o top</u>				

			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Ex	<u>xp</u> Credit
AUT-141	Suspension &	Steering Sys	2	3	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course covers principle suspension and steering sys manual and power steering controlled suspension and s should be able to service an check and adjust alignment top	es of oper tems to in systems a teering sy ad repair sy angles, r	ration, t nclude and star and star ystems. steering epair tin	types, and steering ge adard and Upon con and suspe- res, and ba	diagnosis eometry. electronio npletion, ension co alance wh	s/repair of Topics inclu- cally students mponents, neels. <u>back to</u>
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Ex	<u>kp</u> <u>Credit</u>
AUT-151	Brake System	S	2	3	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course covers principle repair of brake systems. To	es of oper pics inclu	ration a ide drui	nd types, o n and disc	diagnosis c brakes i	, service, and nvolving
	Description:	This course covers principle repair of brake systems. To hydraulic, vacuum boost, hy lock and parking brake syst diagnose, service, and repai	es of oper pics inclu ydra-boos ems. Upo ir various Class	ration a ide drui st, elect on comj automo Lab	nd types, o n and disc rically po- pletion, stu pletive braki Clinical	diagnosis c brakes i wered bo- udents sho ing syster Work E	, service, and nvolving ost, and anti- ould be able ms. <u>back to to</u> xp Credit
AUT-163	Description:	This course covers principle repair of brake systems. Top hydraulic, vacuum boost, hy lock and parking brake syst diagnose, service, and repair	es of oper pics inclu ydra-boos ems. Upo ir various <u>Class</u> 2	ration a ide drui st, elect on comp autome <u>Lab</u> 3	nd types, o n and disc rically po- pletion, stu pletive braki <u>Clinical</u> 0	diagnosis c brakes i wered bo- udents sho ing syster <u>Work E</u> 0	, service, and nvolving ost, and anti- ould be able ms. <u>back to to</u> <u>xp Credit</u> 3
AUT-163	Description: Adv Auto Elec Prerequisites:	This course covers principle repair of brake systems. To hydraulic, vacuum boost, hy lock and parking brake syst diagnose, service, and repair ctricity Take TRN-120	es of oper pics inclu ydra-boos ems. Upo ir various <u>Class</u> 2	ration a ide drui st, elect on comj autome <u>Lab</u> 3	nd types, o n and disc rically po- oletion, stu otive braki <u>Clinical</u> 0	diagnosis c brakes i wered bo- udents sho ing syster <u>Work E</u> 0	, service, and nvolving ost, and anti- ould be able ms. <u>back to to</u> <u>kp Credit</u> 3
AUT-163	Description: Adv Auto Elec Prerequisites: Corequisites:	This course covers principle repair of brake systems. To hydraulic, vacuum boost, hy lock and parking brake syst diagnose, service, and repair ctricity Take TRN-120 None	es of oper pics inclu ydra-boos eems. Upo ir various <u>Class</u> 2	ration a ide drui st, elect on comj automo <u>Lab</u> 3	nd types, o n and disc rically po- pletion, stu pletive braki <u>Clinical</u> 0	diagnosis c brakes i wered boudents sho ing syster <u>Work E</u> 0	, service, and nvolving ost, and anti- ould be able ms. <u>back to to</u> <u>kp Credit</u> 3
AUT-163	Description: Adv Auto Elec Prerequisites: Corequisites: Description:	This course covers principle repair of brake systems. Top hydraulic, vacuum boost, hy lock and parking brake syst diagnose, service, and repair ctricity Take TRN-120 None This course covers electron diagnosis, repair, and replace wiper, accessories, and bod module communication, cir and troubleshooting. Upon use wiring diagrams, diagno accessories, modules, and e	es of oper pics inclu ydra-boos ems. Upo ir various <u>Class</u> 2 2 ic theory cement of y module cuit cons completio ose, test, electronic	ration a ide drui st, elect on comp automo <u>Lab</u> 3 , wiring f electro es. Topi truction on, stud and rep concer	nd types, on and disc rically po- pletion, stu- poletion, stu- poletion, stu- poletion, stu- poletion, stu- poletion, stu- call of the star of the star air wiring di- the start of the start of the start air wiring di- the start of the star	diagnosis c brakes i wered bo- udents sh- ing syster <u>Work Ez</u> 0 s, test equ ting, gaug e network liagrams, ld be able , lighting	, service, and nvolving ost, and anti- ould be able ns. <u>back to to</u> <u>xp Credit</u> <u>3</u> ipment, and ges, horn, ing and circuit testin e to properly , gauges,
AUT-163	Description: Adv Auto Elec Prerequisites: Corequisites: Description:	This course covers principle repair of brake systems. Top hydraulic, vacuum boost, hy lock and parking brake syst diagnose, service, and repair etricity Take TRN-120 None This course covers electron diagnosis, repair, and replace wiper, accessories, and bod module communication, cir and troubleshooting. Upon use wiring diagrams, diagno accessories, modules, and e	es of oper pics inclu ydra-boos ems. Upo ir various <u>Class</u> 2 ic theory cement of y module cuit cons completio ose, test, electronic <u>Class</u>	ation a ide drui st, elect on comp autome <u>Lab</u> 3 , wiring f electro es. Topi truction con, stud and rep concer <u>Lab</u>	nd types, on and disc rically po- pletion, stu- poletion, stu- pol	diagnosis c brakes i wered bo- udents sh- ing systen <u>Work E</u> 0 s, test equ ting, gaug e network liagrams, ld be able f, lighting <u>Work E</u>	, service, and nvolving ost, and anti- ould be able ms. <u>back to to</u> <u>xp Credit</u> 3 ipment, and ges, horn, ing and circuit testin to properly , gauges,
AUT-163 AUT-181	Description: Adv Auto Elec Prerequisites: Corequisites: Description: Engine Perfor	This course covers principle repair of brake systems. Top hydraulic, vacuum boost, hy lock and parking brake syst diagnose, service, and repair etricity Take TRN-120 None This course covers electron diagnosis, repair, and replace wiper, accessories, and bod module communication, cir and troubleshooting. Upon use wiring diagrams, diagno accessories, modules, and e	es of oper pics inclu ydra-boos ems. Upo ir various <u>Class</u> 2 ic theory cement of y module cuit cons completio ose, test, electronic <u>Class</u> 2	ration a ide drui st, elect on comp automo <u>Lab</u> 3 , wiring f electro es. Topi truction con, stud and rep concer <u>Lab</u> 3	nd types, of n and disc rically po- pletion, stu- pletion, stu- stu- pletion, stu- pletion, stu- stu- stu- stu- stu- stu- stu- stu-	diagnosis c brakes i wered bo- udents sh- ing system <u>Work E</u> 0 s, test equ ting, gauge network liagrams, ld be able tighting top <u>Work E</u> 0	, service, and nvolving ost, and anti- ould be able ms. <u>back to to</u> <u>xp Credit</u> 3 ipment, and ges, horn, ing and circuit testin to properly , gauges, <u>xp Credit</u> 3
AUT-163 AUT-181	Description: Adv Auto Elec Prerequisites: Corequisites: Description: Engine Perfor Prerequisites:	This course covers principle repair of brake systems. Top hydraulic, vacuum boost, hy lock and parking brake syst diagnose, service, and repair etricity Take TRN-120 None This course covers electron diagnosis, repair, and replace wiper, accessories, and bod module communication, cir and troubleshooting. Upon use wiring diagrams, diagno accessories, modules, and e mance 1 None	es of oper pics inclu ydra-boos ems. Upo ir various <u>Class</u> 2 ic theory cement of y module cuit cons completio ose, test, electronic <u>Class</u> 2	ration a ide drui st, elect on comp automo <u>Lab</u> 3 , wiring f electro es. Topi truction concer <u>Lab</u> 3	nd types, on and discontribution of the second seco	diagnosis c brakes i wered bound udents sho ing system <u>Work E</u> 0 s, test equiting, gaug e network liagrams, ld be able f, lighting <u>top</u> <u>Work E</u> 0	, service, and nvolving ost, and anti- ould be able ms. <u>back to to</u> <u>xp Credit</u> 3 ipment, and ges, horn, ing and circuit testin to properly , gauges, <u>xp Credit</u> 3
AUT-163 AUT-181	Description: Adv Auto Elec Prerequisites: Corequisites: Description: Engine Perfor Prerequisites: Corequisites:	This course covers principle repair of brake systems. Top hydraulic, vacuum boost, hy lock and parking brake syst diagnose, service, and repair etricity Take TRN-120 None This course covers electron diagnosis, repair, and replace wiper, accessories, and bod module communication, cir and troubleshooting. Upon use wiring diagrams, diagne accessories, modules, and e mance 1 None None	es of oper pics inclu ydra-boos eems. Upo ir various <u>Class</u> 2 ic theory. cement of y module cuit cons completio ose, test, electronic <u>Class</u> 2	ration a ide drui st, elect on comp automo <u>Lab</u> 3 , wiring f electro es. Topi truction on, stud and rep concer <u>Lab</u> 3	nd types, on and disc rically powelletion, student obletion, student obletion, student of diagrams onics, light cs include n, wiring delents shout air wiring ns. <u>back too</u> <u>Clinical</u> 0	diagnosis c brakes i wered bo- udents sh- ing system <u>Work E</u> 0 s, test equ ting, gaug e network liagrams, ld be able , lighting <u>top</u> <u>Work E</u> 0	, service, and nvolving ost, and anti- ould be able ms. <u>back to to</u> <u>xp</u> <u>Credit</u> 3 ipment, and ges, horn, ing and circuit testir to properly , gauges, <u>xp</u> <u>Credit</u> 3

			Class	Lab	Clinical	Work Exp	<u>credit</u>
AUT-183	Engine Perfor	mance 2	2	6	0	0	4
	Prerequisites:	Take AUT-181					
	Corequisites:	None					
	Description:	This course covers study of diagnostic process used to b procedures used to restore b used fuels and fuel systems components and systems, C electrical/electronic system diagnose and repair complet test equipment and service	f the elect locate eng normal op s, exhaust OBD II (o s. Upon c ex engine informati	ronic en gine per beration gas ana n-board complet perform on. <u>back</u>	ngine cont formance Topics v alysis, emi l diagnosti ion, stude: nance con <u>c to top</u>	rol system concerns, vill include ssion cont ics) and int nts should cerns using	s, the and e currently rol ter-related be able to g appropria
			<u>Class</u>	Lab	<u>Clinical</u>	Work Exp	<u>o</u> Credit
AUT-212	Auto Shop Ma	anagement	3	0	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	Descriptions						
	Description:	This course covers the prin making, communication, au supervision, shop organizat work place ethics. Upon co basic automotive shop oper	ciples of uthority, a tion, custo ompletion ration from	manage and lead omer re , studen n a mai	ement esse lership. To lations, co ts should nagement	ntial to dec opics inclu- ost effective be able to e standpoint	cision- de shop eness and describe . <u>back to to</u> p
	Description:	This course covers the prin making, communication, au supervision, shop organizat work place ethics. Upon co basic automotive shop oper	ciples of uthority, a tion, custo mpletion ration from <u>Class</u>	manage and lead omer re , studen m a man <u>Lab</u>	ement esse lership. To lations, co ts should nagement <u>Clinical</u>	ntial to dec opics inclu- ost effective be able to o standpoint <u>Work Exp</u>	cision- de shop eness and describe . <u>back to to</u> <u>0 Credit</u>
AUT-221	Description: Auto Transm/	This course covers the prin making, communication, au supervision, shop organizat work place ethics. Upon co basic automotive shop oper	ciples of uthority, a tion, custo ompletion ration from <u>Class</u> 2	manage and lead omer re , studen m a man <u>Lab</u> 3	ement esse lership. To lations, co ts should nagement <u>Clinical</u> 0	ntial to dee opics inclu- ost effective be able to o standpoint <u>Work Exp</u> 0	cision- de shop eness and describe . <u>back to top</u> <u>o Credit</u> 3
AUT-221	Description: Auto Transm/ Prerequisites:	This course covers the prin making, communication, au supervision, shop organizat work place ethics. Upon co basic automotive shop oper Transaxles None	ciples of uthority, a tion, custo ompletion ration from <u>Class</u> 2	manage and leac omer re , studen m a man <u>Lab</u> 3	ement esse lership. To lations, co ts should nagement <u>Clinical</u> 0	ntial to dec opics inclu- ost effective be able to o standpoint <u>Work Exp</u> 0	cision- de shop eness and describe . <u>back to top</u> <u>o Credit</u> 3
AUT-221	Description: Auto Transm/ Prerequisites: Corequisites:	This course covers the prin making, communication, au supervision, shop organizat work place ethics. Upon co basic automotive shop oper Transaxles None None	ciples of uthority, a tion, custo ompletion ration from <u>Class</u> 2	manage and leac omer re , studen m a man <u>Lab</u> 3	ement esse lership. To lations, co its should nagement <u>Clinical</u> 0	ntial to dec opics inclu- ost effective be able to o standpoint <u>Work Exp</u> 0	cision- de shop eness and describe . <u>back to top</u> <u>c Credit</u> 3
AUT-221	Description: Auto Transm/ Prerequisites: Corequisites: Description:	This course covers the prin making, communication, at supervision, shop organizat work place ethics. Upon co basic automotive shop oper Transaxles None None This course covers operation transmissions/transaxles. T and electrical/electronic op appropriate service tools an be able to explain operation trains. <u>back to top</u>	ciples of uthority, a tion, custo ompletion ration from <u>Class</u> 2 on, diagno opics incl eration of ad equipm nal theory	manage and leac omer re , studen m a man <u>Lab</u> 3 osis, ser lude hyd f autom hent. Up	ement esse lership. To lations, co its should nagement <u>Clinical</u> 0 vice, and r draulic, pr atic drive pon compl ose and re	ntial to dee opics inclu- ost effective be able to o standpoint <u>Work Exp</u> 0 repair of an neumatic, r trains and etion, stud pair autom	cision- de shop eness and describe . <u>back to top</u> <u>o Credit</u> <u>3</u> utomatic nechanical the use of ents should atic drive
AUT-221	Description: Auto Transm/ Prerequisites: Corequisites: Description:	This course covers the prin making, communication, au supervision, shop organizat work place ethics. Upon co basic automotive shop oper Transaxles None None This course covers operation transmissions/transaxles. T and electrical/electronic op appropriate service tools an be able to explain operation trains. <u>back to top</u>	ciples of uthority, a tion, custo ompletion cation from <u>Class</u> 2 on, diagno opics incl eration of nd equipm nal theory <u>Class</u>	manage and leac omer re , studen m a man <u>Lab</u> 3 osis, ser lude hyd f autom ment. Up r, diagno <u>Lab</u>	ement esse lership. To lations, co its should nagement <u>Clinical</u> 0 vice, and r draulic, pr atic drive oon compl ose and re <u>Clinical</u>	ntial to dee opics inclu- ost effective be able to o standpoint <u>Work Exp</u> 0 repair of au neumatic, r trains and etion, stud pair autom <u>Work Exp</u>	cision- de shop eness and describe . <u>back to top</u> <u>o Credit</u> <u>3</u> utomatic nechanical the use of ents should hatic drive
AUT-221 AUT-221 <i>A</i>	Description: Auto Transm/ Prerequisites: Corequisites: Description:	This course covers the prin making, communication, au supervision, shop organizat work place ethics. Upon co basic automotive shop oper Transaxles None None This course covers operation transmissions/transaxles. T and electrical/electronic op appropriate service tools an be able to explain operation trains.back to top	ciples of uthority, a tion, custo ompletion ration from <u>Class</u> 2 on, diagno opics incl eration of ad equipm nal theory <u>Class</u> 0	manage and leac omer re , studen m a man <u>Lab</u> 3 osis, ser lude hyd f autom ment. Up r, diagno <u>Lab</u> 3	ement esse lership. To lations, co ts should nagement <u>Clinical</u> 0 vice, and r draulic, pr atic drive oon compl ose and re <u>Clinical</u> 0	ntial to dee opics inclu- st effective be able to o standpoint <u>Work Exp</u> 0 repair of au neumatic, r trains and etion, stud pair autom <u>Work Exp</u> 0	cision- de shop eness and describe . <u>back to top</u> <u>o Credit</u> 3 utomatic nechanical the use of ents should atic drive <u>o Credit</u> 1
AUT-221 AUT-221 <i>A</i>	Description: Auto Transm/ Prerequisites: Corequisites: Description: A Auto Transm/ Prerequisites:	This course covers the prin making, communication, au supervision, shop organizat work place ethics. Upon co basic automotive shop oper Transaxles None None This course covers operation transmissions/transaxles. T and electrical/electronic op appropriate service tools an be able to explain operation trains.back to top Transaxles Lab Take AUT-221	ciples of uthority, a tion, custo ompletion ration from <u>Class</u> 2 on, diagno opics incl eration of ad equipm nal theory <u>Class</u> 0	manage and leac omer re , studen m a man <u>Lab</u> 3 osis, ser lude hyd f autom ment. Up r, diagno <u>Lab</u> 3	ement esse lership. To lations, co its should nagement <u>Clinical</u> 0 vice, and r draulic, pr atic drive oon compl ose and re <u>Clinical</u> 0	ntial to dee opics inclu- st effective be able to o standpoint <u>Work Exp</u> 0 repair of au neumatic, r trains and etion, stud pair autom <u>Work Exp</u> 0	cision- de shop eness and describe . <u>back to top</u> <u>o Credit</u> 3 utomatic nechanical the use of ents should atic drive <u>o Credit</u> 1

Page | 34

Description: This course is an optional lab to be used as an alternative to co-op placement in meeting the NATEF standards for total hours. Topics include hydraulic, pneumatic, mechanical, and electrical/electronic operation of automatic drive trains and the use of appropriate service tools and equipment. Upon completion, students should be able to diagnose and repair automatic drive trains.

			Class	Lab	Clinical	Work Ex	p Credit
AUT-231	Man Trans/Ay	kles/Drtrains	2	3	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course covers the operators the operators of the transmissions/transaxles, of include theory of torque, prepair using appropriate second to the transmission of t	eration, dia clutches, d power flow ervice info ild be able rains. <u>back t</u>	agnosis, rivesha 7, and n rmatior to expla to top	and repai fts, axles, nanual driv n, tools, an ain operati	r of manu and final o ve train se d equipmo ional theor	al drives. Topi rvicing and ent. Upon ry, diagnose
			<u>Class</u>	<u>Lab</u>	Clinical	Work Ex	<u>p</u> Credit
AUT-231 <i>A</i>	A Man Trans/Ax	x/Drtrains Lab	0	3	0	0	1
	Prerequisites:	Take AUT-231					
	Corequisites:	None					
		hour standards but does no include manual drive train	ot have a c n diagnosis	o-op co , servic	mponent i e and repa	in the prog	gram. Topic ppropriate
		service information, tools be able to diagnose and re	, and equip epair manus Class	oment. U al drive Lab	Jpon com trains. <u>bac</u>	pletion, st <u>ek to top</u> Work Fy	udents shou
AUT-281	Adv Engine P	service information, tools be able to diagnose and re	, and equip pair manus <u>Class</u> 2	oment. (al drive <u>Lab</u> 2	Jpon com trains. <u>bac</u> <u>Clinical</u>	pletion, st <u>ek to top</u> <u>Work Ex</u> 0	udents shou <u>p</u> <u>Credit</u> 3
AUT-281	Adv Engine P	service information, tools be able to diagnose and re erformance None	, and equip epair manua <u>Class</u> 2	oment. U al drive <u>Lab</u> 2	Jpon com trains. <u>bac</u> <u>Clinical</u> 0	pletion, st <u>sk to top</u> <u>Work Ex</u> 0	udents shou <u>p Credit</u> 3
AUT-281	Adv Engine P Prerequisites: Corequisites:	service information, tools be able to diagnose and re erformance None None	, and equip epair manua <u>Class</u> 2	oment. U al drive <u>Lab</u> 2	Jpon com trains. <u>bac</u> <u>Clinical</u> 0	pletion, st <u>sk to top</u> <u>Work Ex</u> 0	udents shou <u>p</u> <u>Credit</u> 3
AUT-281	Adv Engine P Prerequisites: Corequisites: Description:	service information, tools be able to diagnose and re erformance None This course utilizes servic diagnose and repair powe computerized ignition, fue and equipment, data comr Upon completion, student repair. <u>back to top</u>	, and equip epair manua <u>Class</u> 2 2 e informat r train cont el and emis munication es should be	ion and rol syst sion sy networ able to	Jpon com trains. <u>bac</u> <u>Clinical</u> 0 specialize tems. Topi stems, rela- teks, and se o perform	ed test equated diagnosis	udents shou <u>p</u> <u>Credit</u> 3 upment to e ostic tools rmation. and
AUT-281	Adv Engine P Prerequisites: Corequisites: Description:	service information, tools be able to diagnose and re erformance None This course utilizes service diagnose and repair power computerized ignition, fue and equipment, data comr Upon completion, student repair.back to top BAKING & PAST	, and equip epair manua <u>Class</u> 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	ion and rol syst ssion sy networ e able to	Jpon com trains. <u>bac</u> <u>Clinical</u> 0 specialize ems. Topi stems, rela- ks, and se perform PA)	pletion, st <u>k to top</u> <u>Work Ex</u> 0 ed test equ cs include ated diagn rvice info diagnosis	udents shou <u>p</u> <u>Credit</u> 3 and and
AUT-281	Adv Engine P Prerequisites: Corequisites: Description:	service information, tools be able to diagnose and re erformance None This course utilizes service diagnose and repair power computerized ignition, fue and equipment, data comm Upon completion, student repair. <u>back to top</u> BAKING & PAST	, and equip epair manua <u>Class</u> 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	ion and rol syst ssion sy networ e able to FS (BI	Jpon comp trains. <u>bac</u> <u>Clinical</u> 0 specialize tems. Topi stems, relative stems, relative stem	pletion, st <u>k to top</u> <u>Work Ex</u> 0 ed test equ ics include ated diagn rvice info diagnosis <u>Work Ex</u>	udents shou <u>p</u> <u>Credit</u> 3 upment to costic tools rmation. and <u>p</u> <u>Credit</u>
AUT-281 BPA-120	Adv Engine P Prerequisites: Corequisites: Description: Petit Fours an	service information, tools be able to diagnose and re erformance None This course utilizes service diagnose and repair power computerized ignition, fue and equipment, data comr Upon completion, student repair. <u>back to top</u> BAKING & PAST d Pastries	, and equip epair manua <u>Class</u> 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	ion and rol syst ssion sy networ e able to FS (BI <u>Lab</u> 4	Jpon comp trains. <u>bac</u> <u>Clinical</u> 0 specialize tems. Topi stems, relative text, and se perform PA) <u>Clinical</u> 0	pletion, st <u>k to top</u> <u>Work Ex</u> 0 ed test equ ics include ated diagn rvice info diagnosis <u>Work Ex</u> 0	udents shou <u>p</u> <u>Credit</u> 3 upment to costic tools rmation. and <u>p</u> <u>Credit</u> 3
AUT-281 BPA-120	Adv Engine P Prerequisites: Corequisites: Description: Petit Fours an State Prerequi	service information, tools be able to diagnose and re erformance None This course utilizes service diagnose and repair power computerized ignition, fue and equipment, data comr Upon completion, student repair. <u>back to top</u> BAKING & PAST d Pastries sites: Take All: CUL-110.	, and equip epair manua <u>Class</u> 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	ion and rol syst ssion sy networ e able to FS (BI <u>Lab</u> 4	Jpon comp trains. <u>bac</u> <u>Clinical</u> 0 specialized ems. Topi stems, relatively teks, and set perform PA) <u>Clinical</u> 0	pletion, st <u>k to top</u> <u>Work Ex</u> 0 ed test equ ics include ated diagn rvice info diagnosis <u>Work Ex</u> 0	udents shou <u>p</u> <u>Credit</u> 3 ipment to ostic tools rmation. and <u>p</u> <u>Credit</u> 3

Description: This course introduces the basic principles of the preparation and plating of a variety of petit fours and individual dessert pastries. Emphasis is placed on traditional and contemporary petit fours and pastries utilizing updated production methods. Upon completion, students should be able to produce individual pastries and petit fours for buffet and special event settings.

back to top

		<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	Credit
BPA-130	European Cakes and Tortes	1	4	0	0	3

State Prerequisites: Take All: CUL-110, CUL-160;

Corequisites: NoneDescription: This course introduces the production of a wide variety of classical and modern cakes suitable for restaurants, retail shops and large-scale production. Emphasis is placed on classic cakes using the methods of mixing, filling, glazing and icing. Upon completion, students should be able to prepare, assemble, and decorate gelatin-based and layered tortes and cakes such as Bavarian, Dobos, and Sacher.

back to top

		Class	<u>Lab</u>	<u>Clinical</u>	Work Exp	Credit
BPA-150	Artisan and Specialty Bread	1	6	0	0	4

State Prerequisites: Take All: CUL-110, CUL-160;

Corequisites: None

Description: This course provides an advanced study in the art and craft of break making. Topics include pertinent formulas and techniques associated with naturally leavened loaves, hearth breads, focaccia, flat breads, and other breads utilizing a variety of grains. Upon completion, students should be able to prepare artisan and specialty breads that meet or exceed the expectations of restaurant and retail publics.<u>back to top</u>

		<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	Credit
BPA-165	Hot and Cold Desserts	1	4	0	0	3

State Prerequisites: Take All: CUL-110, CUL-160;

Corequisites: None

Description: This course covers the principles and techniques of frozen desserts, soufflés, cobblers, crisps, and strudel dough products. Topics include bombes, parfaits, baked Alaska, ice cream, sorbets, sherbets and granites; hand-stretched strudel products, crepes, and hot/cold soufflés. Upon completion, student should be able to prepare and plate hot and cold desserts with suitable sauces and garnishes. <u>back to top</u>

<u>Class</u> <u>Lab</u> <u>Clinical</u> <u>Work Exp</u> <u>Credit</u>
							Page 37
BPA-210	Cake Design a	and Decorating	1	4	0	0	3
	State Prerequi	sites: Take All: CUL-110	, CUL-160);			
	Corequisites:	None					
	Description:	This course covers advant wedding cakes and other assembling cakes; cake d fondant, and royal icing; students should be able to wedding and specialty ca	ced conce specialty c esign; fini and advan o design, c kes. <u>back t</u>	pts in the cakes. T shing tec ced pipin reate, fir o top	e design a opics inc chniques u ng skills. nish and e	nd decora lude bakir utilizing g Upon cor valuate th	tion of ng, filling, and um paste, npletion, e quality of

			Class	Lab	Clinical	Work Ex	<u>p</u> Credit
BPA-220	Confection A	rtistry	1	6	0	0	4
	State Prerequi	sites: Take All: CUL-110,	CUL-160;				
	Corequisites:	None					
	Description:	This course introduces the work and confectionary ca pastillage and cocoa painti techniques including blow students should be able to enhance dessert buffets an	principles ndy. Top ng, confee n, spun, p prepare ec d plate pre	s and te ics incl ction ca oured a lible ce esentati	chniques o ude nouga ndy and a nd pulled. nterpieces ons. <u>back</u>	of decorat it, marzipa variety of Upon co and confi to top	ive sugar an modeling f sugar ompletion, ections to
			<u>Class</u>	Lab	Clinical	Work Ex	<u>xp</u> Credit
BPA-230	Chocolate Art	istry	1	4	0	0	3
	State Prerequi	sites: Take All: CUL-110,	CUL-160;				
	Corequisites: Description:	None This course provides a stud	dy in the a	art and o	craft of ch	ocolate. 7	Fopics inclu
	Corequisites: Description:	None This course provides a stue chocolate tempering, pipin cakes and centerpieces; an enrobing and dipping. Up evaluate tempered chocola decorative elements for ga	dy in the a lg, and mo d the cand on comple te and pro rnishing d	ort and o olding; o ly produce oduce a lesserts.	craft of cho decorative uction tech udents sho variety of . <u>back to to</u>	ocolate. T work ass nniques of ould be ab chocolate	Fopics inclue ociated with f filling, le to proper e candies and
	Corequisites: Description:	None This course provides a stue chocolate tempering, pipin cakes and centerpieces; an enrobing and dipping. Up evaluate tempered chocola decorative elements for ga	dy in the a lg, and mo d the cand on comple te and pro rnishing d <u>Class</u>	rt and o olding; o ly production, st oduce a lesserts. <u>Lab</u>	craft of che decorative uction tech udents she variety of back to te <u>Clinical</u>	ocolate. 7 work ass miques of ould be ab chocolate op <u>Work Ex</u>	Fopics inclus ociated with filling, le to proper e candies and ap <u>Credit</u>
BPA-240	Corequisites: Description: Plated Desser	None This course provides a stud chocolate tempering, pipin cakes and centerpieces; an enrobing and dipping. Up evaluate tempered chocola decorative elements for ga	dy in the a ng, and mo d the cand on comple ite and pro rnishing d <u>Class</u> 1	ert and control of the second	craft of che decorative uction tech udents she variety of back to te <u>Clinical</u> 0	ocolate. T work ass nniques of ould be ab chocolate op <u>Work Ex</u> 0	Fopics inclus ociated with f filling, ole to proper e candies and the <u>Credit</u> 3
BPA-240	Corequisites: Description: Plated Dessert State Prerequi	None This course provides a stud chocolate tempering, pipin cakes and centerpieces; an enrobing and dipping. Up evaluate tempered chocola decorative elements for ga	dy in the a lg, and mo d the cand on comple ite and pro rnishing d <u>Class</u> 1 and CUL-1	art and c olding; d ly produce a oduce a lesserts <u>Lab</u> 4	craft of che decorative uction tech udents she variety of <u>back to te</u> <u>Clinical</u> 0	ocolate. T work ass nniques of ould be ab chocolate op <u>Work Ex</u> 0	Fopics inclus ociated with filling, ble to proper e candies and the <u>Credit</u> 3
BPA-240	Corequisites: Description: Plated Dessert State Prerequi Corequisites:	None This course provides a stud chocolate tempering, pipin cakes and centerpieces; an enrobing and dipping. Up evaluate tempered chocola decorative elements for ga	dy in the a leg, and mo d the cand on comple- te and pro rnishing d <u>Class</u> 1 nd CUL-1	urt and c olding; o ly produ- etion, st oduce a lesserts. <u>Lab</u> 4 160;	craft of che decorative uction tech udents she variety of back to te <u>Clinical</u> 0	ocolate. T work ass nniques of ould be ab chocolate <u>op</u> <u>Work Ex</u> 0	Fopics inclus ociated with filling, alle to proper candies and the <u>Credit</u> 3
BPA-240	Corequisites: Description: Plated Dessert State Prerequi Corequisites: Description:	None This course provides a stue chocolate tempering, pipin cakes and centerpieces; an enrobing and dipping. Up evaluate tempered chocola decorative elements for ga ts sites: Take All: CUL-110 a None This course provides a stue relate to plated desserts. To pairings, textures, tempera decorating/painting technic Upon completion, students combining a variety of des techniques.	dy in the a og, and mo d the cand on comple- te and pro- rnishing d <u>Class</u> 1 and CUL-1 dy in the e opics inclu- tures, eye ques such s should be sert comp	ert and colding; of ly produce a boduce a lesserts. <u>Lab</u> 4 160; element appeal as sten- e able to onents	craft of che decorative uction tech udents she variety of <u>back to te</u> <u>Clinical</u> 0 s and prine te composi balance, of ciling and o demonst enhanced	ocolate. T work ass nniques of ould be ab chocolate op <u>Work Ex</u> 0 ciples of c ition, port color harr chocolate rate comp with plate	Fopics inclus ociated with filling, ble to proper e candies and <u>e candies and</u> <u>e candies and</u> <u>e candies and</u> <u>a candies and</u>

			<u>Class</u>	Lab	Clinical	Work Ex	Page 3 <u>p Credit</u>
BPA-250	Dessert and E	Bread Production	1	8	0	0	5
	State Prerequ	isites: Take BPA-150;					
	Corequisites:	None					
	Description:	This course is designed to a baking and pastry technique placed on quantity bread and presentations, season/them completion, students should desserts within a commercian and selling prices.	merge arti es utilized nd roll-in e product d be able ial environ	istry an d in a p product utilizat to plan nment a	d innovati roduction tion, plate tion and co , prepare a and determ	on with th setting. E d and platt ost effectiv and evaluat nine produ	e practical mphasis is er veness. Upor te breads and ction costs
		back to	top				
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Ex	p Credit
BPA-260	Pastry and Ba	king Marketing	2	2	0	0	3
	State Prerequ	isites: Take BPA-150, BPA-	210;				
	State Corequi	sites: Take BPA-250;					
	Description:	This course is designed to a trends utilized in bakery an planning, pricing products/ methods, legal implications students should be able to a for a capstone experience.	cover the ad pastry of strategies s, and adv create a m	market operatio , resale ertising arketin	ing concepons. Empland whol and whol g techniqu g plan tha	ots and me nasis is pla esale distri es. Upon t will serve	rchandising ced on menu ibution completion, e as a basis
		back to	top				
		BIOLOGY	Y (BIO)				
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Ex	p <u>Credit</u>
BIO-110	Principles of	Biology	3	3	0	0	4
	Prerequisites:	None					

Corequisites: None

Description: This course provides a survey of fundamental biological principles for nonscience majors. Emphasis is placed on basic chemistry, cell biology, metabolism, genetics, evolution, ecology, diversity, and other related topics. Upon completion, students should be able to demonstrate increased knowledge and better understanding of biology as it applies to everyday life.

			Class	Lab	Clinical	Work Ext	Page 40 p Credit
BIO-111	General Biolo	gy I	3	3	0	0	4
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course introduces the p placed on basic biological c metabolism and energy tran topics. Upon completion, s understanding of life at the	orinciples hemistry sformation tudents s molecula	and co , molec on, gen hould b r and c	oncepts of cular and c etics, evol be able to c ellular lev	biology. I ellular bio ution, and lemonstrat els. <u>back</u>	Emphasis is logy, other related te to top
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>p</u> <u>Credit</u>
BIO-112	General Biolo	gy II	3	3	0	0	4
	State Draws and						
	State Prerequi	sites: Take BIO-111;					
	Corequisites:	sites: Take BIO-111; None					
	Corequisites: Description:	sites: Take BIO-111; None This course is a continuatio evolution, biodiversity, plan topics. Upon completion, s comprehension of life at the	n of BIO nt and ani tudents s e organism	111. E mal sys hould b nal and	Emphasis i stems, eco be able to c l ecologica	s placed or logy, and lemonstrat il levels. <u>ba</u>	n organisms, other related te ack to top
	Corequisites: Description:	sites: Take BIO-111; None This course is a continuatio evolution, biodiversity, plar topics. Upon completion, s comprehension of life at the	n of BIO nt and and tudents s organisi <u>Class</u>	111. E mal sys hould b nal and <u>Lab</u>	Emphasis i stems, eco be able to c l ecologica <u>Clinical</u>	s placed of logy, and lemonstrat al levels. <u>ba</u> <u>Work Ex</u> p	n organisms, other related ack to top <u>p Credit</u>
3IO-140	Corequisites: Description: Environmenta	sites: Take BIO-111; None This course is a continuatio evolution, biodiversity, plar topics. Upon completion, s comprehension of life at the l Biology	n of BIO nt and ani tudents s e organiss <u>Class</u> 3	111. E mal sys hould b nal and <u>Lab</u> 0	Emphasis i stems, eco be able to c l ecologica <u>Clinical</u> 0	s placed of logy, and lemonstrat al levels. <u>ba</u> <u>Work Ex</u> 0	n organisms, other related te <u>ack to top</u> <u>p Credit</u> 3
BIO-140	State Prerequi Corequisites: Description: Environmenta Prerequisites:	sites: Take BIO-111; None This course is a continuatio evolution, biodiversity, plar topics. Upon completion, s comprehension of life at the l Biology None	n of BIO nt and ani tudents s e organiss <u>Class</u> 3	111. E mal sys hould b nal and <u>Lab</u> 0	Emphasis i stems, eco be able to c l ecologica <u>Clinical</u> 0	s placed of logy, and lemonstrat al levels. <u>ba</u> <u>Work Ex</u> j 0	n organisms, other related te ack to top <u>p Credit</u> 3
BIO-140	 State Prerequi Corequisites: Description: Environmenta Prerequisites: Local Corequi 	sites: Take BIO-111; None This course is a continuatio evolution, biodiversity, plar topics. Upon completion, s comprehension of life at the l Biology None sites: Take BIO-140A;	n of BIO nt and ani tudents s e organiss <u>Class</u> 3	111. E mal sys hould b nal and <u>Lab</u> 0	Emphasis i stems, eco be able to c l ecologica <u>Clinical</u> 0	s placed o logy, and lemonstrat al levels. <u>ba</u> <u>Work Ex</u> 0	n organisms, other related te ack to top <u>p Credit</u> 3
BIO-140	State Prerequi Corequisites: Description: Environmenta Prerequisites: Local Corequi Description:	sites: Take BIO-111; None This course is a continuatio evolution, biodiversity, plan topics. Upon completion, s comprehension of life at the l Biology None sites: Take BIO-140A; This course introduces envi activities upon them. Topic natural resources, and a foc scientific, social, political, a students should be able to d interrelationships and of com	n of BIO nt and ani tudents s e organism <u>Class</u> 3 ronmenta cs include us on cur and econo emonstra ntempora	111. E mal sys hould b mal and <u>Lab</u> 0 al proce e ecolog rent en omic pe te an u ry envi	Emphasis i stems, eco be able to o l ecologica <u>Clinical</u> 0 esses and the gical concerviewers vironment erspectives nderstandi ronmental	s placed o logy, and lemonstrat al levels. <u>ba</u> <u>Work Exp</u> 0 he influence epts, popul al problem . Upon co ing of envi issues.	n organisms, other related ack to top p <u>Credit</u> 3 ce of human lation growth, ns from ompletion, ironmental

			<u>Class</u>	Lab	Clinical	Work Ex	<u>p Credit</u>
BIO-140A	Environmenta	l Biology Lab	0	3	0	0	1
	Prerequisites:	None					
	State Corequis	sites: Take BIO-140;					
	Description:	This course provides a lat Emphasis is placed on lat students should be able to environmental interrelation	boratory co boratory an o demonstra onships and	ompone d field ate a pra l of con	nt to comp experience actical unc temporary	olement BI e. Upon co lerstanding environm	O 140. ompletion, g of eental issues
		back	<u>to top</u>				
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Ex	p <u>Credit</u>
BIO-155	Nutrition		3	0	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	Description.		ochemistry	01 1000	is and nuu	ients with	considerati
	Description.	of the physiological effect Topics include cultural, reperson's acceptance of fo life stages. Upon comple functions and sources of re nutritional requirements of	ochemistry ets of specia eligious, an ood as well etion, studen nutrients, th of all age gr	llized d d econe as nutri nts shou ne mech coups. <u>b</u>	iets for sponder for sponder for sponder for sponder for the s	ecific biolo rs that infl ements of to identif	by the and the various and the
	Description	of the physiological effect Topics include cultural, reperson's acceptance of fo life stages. Upon comple functions and sources of re nutritional requirements of	ets of specia eligious, an ood as well etion, studen nutrients, th of all age gr <u>Class</u>	lized d ad econo as nutri nts shou ne mech coups. <u>ba</u>	iets for sponder factor omic factor ent require and be able anisms of ack to top <u>Clinical</u>	ecific biolours that inflements of to identify digestion.	by the by <u>Credit</u>
BIO-163	Basic Anatom	of the physiological effec Topics include cultural, re- person's acceptance of fo life stages. Upon comple functions and sources of re- nutritional requirements of y and Physiology	ets of specia eligious, an ood as well etion, studen nutrients, th of all age gr <u>Class</u> 4	lized d ad econo as nutri nts shou ne mech coups. <u>ba</u> <u>Lab</u> 2	iets for spectrum omic facto ent require anisms of ack to top <u>Clinical</u> 0	ecific biolo rs that infl ements of to identif digestion <u>Work Ex</u>	pgical needs luence a the various y the , and the <u>p Credit</u> 5
BIO-163	Basic Anatom Prerequisites:	of the physiological effect Topics include cultural, re- person's acceptance of fo- life stages. Upon comple functions and sources of re- nutritional requirements of y and Physiology None	ets of specia eligious, an ood as well etion, studen nutrients, th of all age gr <u>Class</u> 4	lized d ad econo as nutri nts shou ne mech coups. <u>ba</u> <u>Lab</u> 2	iets for spo omic facto ent require ald be able aanisms of <u>ack to top</u> <u>Clinical</u> 0	ecific biolo rs that infl ements of to identif digestion <u>Work Ex</u> 0	by the provident of the
BIO-163	Basic Anatom Prerequisites: Corequisites:	of the physiological effect Topics include cultural, re- person's acceptance of fo- life stages. Upon comple functions and sources of re- nutritional requirements of y and Physiology None None	ets of specia eligious, an ood as well etion, studen nutrients, th of all age gr <u>Class</u> 4	lized d ad econe as nutri nts shou ne mech coups. <u>ba</u> <u>Lab</u> 2	iets for spond omic facto ent require and be able anisms of <u>ack to top</u> <u>Clinical</u> 0	ecific biolo rs that infl ements of to identif digestion <u>Work Ex</u> 0	by the provide the providet the prov
BIO-163	Basic Anatom Prerequisites: Corequisites: Description:	of the physiological effect Topics include cultural, re- person's acceptance of fo- life stages. Upon comple- functions and sources of re- nutritional requirements of y and Physiology None None This course provides a ba- body. Topics include a b- introduction to homeostate electrolytes. Upon comple- basic understanding of th- physiology and their inter-	eligious, an eligious, an ood as well etion, studen nutrients, th of all age gr <u>Class</u> 4 asic study o vasic study o sis, cells, ti letion, stud e fundamen rrelationshi	f the strong shows the shown in the shown in the shown in the shown in the strong shown in the strong shown is shown in the shown is shown is shown is shown in the shown is shown is shown in the shown is shown in the shown is shown in the shown is shown is shown in the shown is shown is shown is shown in the shown is shown is shown in the shown is shown in the shown is shown is shown is shown in the shown is shown i	iets for spectrum iets for spectrum omic facto ent require anisms of ack to top <u>Clinical</u> 0 ructure and ody system active abla could be abla aciples of a	ecific biolo rs that infl ements of to identific digestion <u>Work Ex</u> 0 d function ns as well cid-base b le to demo	consideration ogical needs luence a the various y the , and the p Credit 5 of the human as an alance, and onstrate a nd

			Class	Lab	Clinical	Work Ex	<u>p</u> Credit
BIO-168	Anatomy and	Physiology I	3	3	0	0	4
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course provides a com of the human body. Topics cytology, histology, and the systems and special senses demonstrate an in-depth un physiology and their interre	nprehensi s include e integum . Upon co nderstandi elationshi	ve study body or nentary, completi ang of p ps. <u>back</u>	y of the an ganization skeletal, 1 on, studen rinciples c <u>to top</u>	atomy and n, homeos nuscular, nts should of anatomy	l physiology tasis, and nervous be able to 7 and
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Ex	<u>p</u> Credit
BIO-169	Anatomy and	Physiology II	3	3	0	0	4
	State Prerequi	sites: Take BIO-168;					
	a						
	Corequisites: Description:	None This course provides a con	tinuation	of the c	omprehen	sive study	of the
	Corequisites: Description:	None This course provides a con anatomy and physiology of cardiovascular, lymphatic, systems as well as metabol electrolyte balance. Upon demonstrate an in-depth un physiology and their interre	tinuation f the hum respirator ism, nutri completion derstandi elationshi	of the c an body ry, dige ation, ac on, stud ng of p ps. <u>bac</u>	comprehen v. Topics i stive, urin cid-base ba ents shoul rinciples c k to top	include the ary, and re alance, and d be able of anatomy	y of the e endocrine, eproductive d fluid and to y and
	Corequisites: Description:	None This course provides a con anatomy and physiology of cardiovascular, lymphatic, systems as well as metabol electrolyte balance. Upon demonstrate an in-depth un physiology and their interre	tinuation f the hum respirator ism, nutri completion derstandi elationshi <u>Class</u>	of the c an body ry, dige ation, ac on, stud ng of p ps. <u>bac</u>	comprehen 7. Topics i stive, urin cid-base ba ents shoul rinciples c <u>k to top</u> <u>Clinical</u>	isive study include the ary, and re alance, and d be able of anatomy <u>Work Ex</u>	y of the e endocrine, eproductive d fluid and to y and p <u>Credit</u>
BIO-243	Corequisites: Description: Marine Biolog	None This course provides a con anatomy and physiology of cardiovascular, lymphatic, systems as well as metabol electrolyte balance. Upon demonstrate an in-depth un physiology and their interre	tinuation f the hum respirator ism, nutri completion derstandi elationshi <u>Class</u> 3	of the c an body cy, dige ition, ac on, stud ng of p ps. <u>bac</u> <u>Lab</u> 3	comprehen y. Topics i stive, urin sid-base ba ents shoul rinciples o <u>k to top</u> <u>Clinical</u> 0	include the ary, and re alance, and d be able to of anatomy <u>Work Ex</u> 0	y of the e endocrine, eproductive d fluid and to y and <u>p Credit</u> 4
BIO-243	Corequisites: Description: Marine Biolog State Prerequi	None This course provides a com anatomy and physiology of cardiovascular, lymphatic, systems as well as metabol electrolyte balance. Upon demonstrate an in-depth un physiology and their interro	tinuation f the hum respirator ism, nutri completion iderstandi elationshi <u>Class</u> 3 -111;	of the c an body cy, dige ition, ac on, stud ng of p ps. <u>bac</u> <u>Lab</u> 3	comprehen y. Topics i stive, urin rid-base ba ents shoul rinciples c k to top <u>Clinical</u> 0	include the ary, and re alance, and d be able of anatomy <u>Work Ex</u> 0	y of the e endocrine, eproductive d fluid and to y and <u>p Credit</u> 4
BIO-243	Corequisites: Description: Marine Biolog State Prerequi Corequisites:	None This course provides a com anatomy and physiology of cardiovascular, lymphatic, systems as well as metabol electrolyte balance. Upon demonstrate an in-depth un physiology and their interro	tinuation f the hum respirator ism, nutri completion derstandi elationshi <u>Class</u> 3 -111;	of the c an body ry, dige ation, ac on, stud ng of p ps. <u>bac</u> <u>Lab</u> 3	comprehen 7. Topics i stive, urin cid-base ba ents shoul rinciples c <u>k to top</u> <u>Clinical</u> 0	include the ary, and re alance, and d be able to of anatomy <u>Work Ex</u> 0	y of the e endocrine, eproductive d fluid and to y and <u>p Credit</u> 4

			Class	<u>Lab</u>	Clinical	Work Ex	xp Credit
BIO-271	Pathophysiolo	gy	3	0	0	0	3
	State Prerequi	sites: Take BIO-163, BIO-1	66 or BIC) -169;			
	Corequisites:	None					
	Description:	This course provides an in their effects on homeostas organ systems in deviation should be able to demonst to top	-depth stu is. Empha as from ho rate a deta	dy of h asis is p meosta iled kno	uman path laced on in sis. Upon owledge o	ological nterrelatio completi f pathoph	processes an onships amo on, students tysiology. <u>ba</u>
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Ex	<u>xp</u> <u>Credit</u>
BIO-275	Microbiology		3	3	0	0	4
	State Prerequi	sites: Take One Set: (Set 1:	BIO-110;	Set 2:	BIO-111;	Set 3: B	IO-163; Set 4
		BIO-165; Set 5: BIO	-168.)				
	Corequisites:	None					
	I I I			1001010	gy and the		1 .
	, i i i i i i i i i i i i i i i i i i i	organisms have on man ar groups of microorganisms pathogenicity, infectious of applications. Upon compl knowledge and skills inclu- culture methods, and ident	the envi , their stru liseases, ir etion, stuc iding micr cification o	ronmer cture, p nmunol lents sh oscopy of micro	by and the at. Topics whysiology ogy, and s ould be ab , aseptic te porganisms	include t include t selected p ble to dem echnique, s.	the various s, microbial practical nonstrate staining,
		organisms have on man ar groups of microorganisms pathogenicity, infectious of applications. Upon compl knowledge and skills inclu culture methods, and ident <u>back te</u>	id the envi , their stru liseases, ir etion, stuc iding micr iffication o	ronmer cture, p nmunol lents sh oscopy of micro	gy and the ht. Topics ohysiology ogy, and s ould be ab , aseptic te porganisms	include t include t selected p ble to dem echnique, s.	he various s, microbial practical nonstrate staining,
		organisms have on man ar groups of microorganisms pathogenicity, infectious of applications. Upon compl knowledge and skills inclu culture methods, and ident <u>back to</u> BLUEPRINT RI	the envi the envi the envi the envi tiseases, ir etion, stuc- tification of the top the top EADING	ronmer cture, p nmunol lents sh oscopy of micro	gy and the ht. Topics ohysiology ogy, and s ould be ab , aseptic te porganisms	include t , genetics selected p ole to dem echnique, s.	the various s, microbial practical nonstrate staining,
		organisms have on man ar groups of microorganisms pathogenicity, infectious of applications. Upon compl knowledge and skills inclu culture methods, and ident <u>back to</u> BLUEPRINT RE	the conversion of the environment of the environment of the environment diseases, in etion, stud- ing micro- tification of the top EADING Class	ronmer cture, p nmunol lents sh oscopy of micro b (BPF <u>Lab</u>	y and the bysiology ogy, and s ould be ab , aseptic te oorganisms Clinical	include t include t selected p ole to dem echnique, s.	the various s, microbial practical nonstrate staining, <u>xp Credit</u>
BPR-111	Print Reading	organisms have on man ar groups of microorganisms pathogenicity, infectious of applications. Upon compl knowledge and skills inclu culture methods, and ident <u>back to</u> BLUEPRINT RE	the envi ad the envi , their stru liseases, ir etion, stuc ading micr dification of top EADING	ronmer cture, p nmunol lents sh oscopy of micro (BPF <u>Lab</u> 2	y and the at. Topics hysiology ogy, and s ould be ab , aseptic te oorganisms <u>Clinical</u> 0	include t include t selected p ole to dem echnique, s. <u>Work Ex</u> 0	the various s, microbial practical honstrate staining, <u>xp Credit</u> 2
BPR-111	Print Reading Prerequisites:	organisms have on man ar groups of microorganisms pathogenicity, infectious of applications. Upon compl knowledge and skills inclu culture methods, and ident <u>back to</u> BLUEPRINT RI	the envi ad the envi , their stru liseases, ir etion, stuc ading micr cification of <u>top</u> EADING <u>Class</u> 1	ronmer cture, p nmunol lents sh oscopy of micro b (BPF <u>Lab</u> 2	y and the at. Topics hysiology ogy, and s ould be ab , aseptic te oorganisms <u>Clinical</u> 0	include t include t selected p ole to dem echnique, s. <u>Work E</u>	the various s, microbial practical nonstrate staining, <u>xp Credit</u> 2
BPR-111	Print Reading Prerequisites: Corequisites:	organisms have on man ar groups of microorganisms pathogenicity, infectious of applications. Upon compl knowledge and skills inclu culture methods, and ident <u>back to</u> BLUEPRINT RI None None	the envi ad the envi , their stru liseases, ir etion, stuc ading micr cification of <u>top</u> EADING <u>Class</u> 1	ronmer cture, p nmunol lents sh oscopy of micro (BPF <u>Lab</u> 2	y and the at. Topics ohysiology ogy, and s ould be ab , aseptic te oorganisms <u>Clinical</u> 0	include t include t selected p ole to den echnique, s. <u>Work E</u> 2 0	the various s, microbial practical nonstrate staining, <u>xp Credit</u> 2
BPR-111	Print Reading Prerequisites: Corequisites: Description:	None None None This course introduces the line types, orthographic processes	the conversion of the environment of the environmen	ronmer cture, p nmunol lents sh oscopy of micro (BPF <u>Lab</u> 2 aciples of dimensito inter	y and the at. Topics obysiology ogy, and s ould be ab , aseptic te borganisms <u>Clinical</u> 0 <u>of print rea</u> ioning me pret basic	include t include t genetics selected p ole to dem echnique, s. <u>Work Ex</u> 0 ading. To ethods, an prints and	the various the various s, microbial practical honstrate staining, <u>xp Credit</u> 2 pics include ad notes. Upo d visualize th

1. Interpret symbols, abbreviations, and line types.

- 2. Identify and describe types of projection and use of views.
- 3. Draw freehand sketches.
- 4. Calculate measurements of features.
- 5. Identify and interpret dimensioning and tolerancing.

back to top

			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	<u>Work Exp</u>	<u>o</u> <u>Credit</u>
BPR-121	Blueprint Reading	g-Mech	1	2	0	0	2
	State Prerequisite	es: Take One: BPR-111 o	r MAC-1	31			
	Corequisites: No	one					
	Description: Th	nis course covers the inter	pretation	of inter	mediate bl	ueprints.	Topics

include tolerancing, auxiliary views, sectional views, and assembly drawings.
 Upon completion, students should be able to read and interpret a mechanical working drawing.

back to top

		<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>Credit</u>
BPR-130	Print Reading-Construction	3	0	0	0	3

State Prerequisites:

Corequisites: None

Description: This course covers the interpretation of prints and specifications that are associated with design and construction projects. Topics include interpretation of documents for foundations, floor plans, elevations, and related topics. Upon completion, students should be able to read and interpret construction prints and documents.

Competencies

Student Learning Outcomes

- 1. Identify the different symbols and line types in a set of working drawings.
- 2. Correctly measure lines to a specific scale using an architectural or engineering scale.
- 3. Demonstrate proficiency in interpreting construction prints in the form of floor plans, elevations, details, schedules, and specifications.
- 4. Convert fractional dimensions to decimal dimensions and decimal dimensions to fractional dimensions.
- 5. Describe and explain the difference between working drawings and construction drawings.

Page | 45

BOAT BUILDING (BTB)

		<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	Credit
BTB-106	Engine Install / Systems	2	9	0	0	5

Prerequisites: None

Corequisites: None

Description: This course familiarizes students with marine engines and related systems, installation, troubleshooting and minor repairs. Topics covered are drivetrains and cooling, fuel, exhaust, and electrical systems for a typical inboard engine. Upon completion, students should be able to install, troubleshoot, and perform minor repairs on marine engines and related systems.

back to top

		<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	Credit
BTB-107	Boat Electrical Systems	2	9	0	0	5

Prerequisites: None

Corequisites: None

Description: This course teaches students the skills necessary to wire 12-volt direct current and 120-volt alternating current electrical systems found on modern boats. Topics covered are electrical system and wiring sizing, batteries, wire harnesses, distribution panels, electronic component installation and electrical system troubleshooting. Upon completion, students should be able to install a complete electrical system on a mock-up yacht.

back to top

		<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	Credit
BTB-108	Boat Plumbing Systems	2	12	0	0	6

Prerequisites: None

State Corequisites: Take BTB-107;

Description: This course is an introduction to the plumbing systems used on modern yachts. Topics will include pressurized hot water systems, water closets, sanitation systems, thru hulls, and sea cocks. Upon completion, students should be able to install heads, showers, and drains found on yachts.

This course is restricted to diploma and certificate programs.

BOAT MANUFACTURE / SERVICE (BMS)

			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	o Credit
BMS-110	Introduction t	o Marine Woodwork	1	4	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course introduces woo manufacturers and repair ya and equipment. Emphasis limitations of equipment, pr efficiently with sharp tools. fabricate basic marine woo	dworking ards inclu is placed roject pla Upon c d compor	g techni iding se on safe nning, ompleti nents sa	iques com etting up a ety, unders and worki ion, studer ifely and e	mon to boa nd adjustm tanding fur ng accurate ats should b fficiently. <u>b</u>	at ent of tools nctions and ely and be able to <u>back to top</u>
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	o <u>Credit</u>
BMS-111	Marine Joiner	У	1	4	0	0	3
	Prerequisites:	None					
	State Corequi	sites: Take BMS-110;					
	Description:	This course builds on Marin advanced joinery projects u Emphasis is placed on desig and fixtures for increased e students should be able to f typically found in yachts.	ne Wood tilizing n gning and fficiency abricate l	working nodern ł buildi and pa nigh qu	g and intro boat shop ng very ac rt consiste ality cabin	oduces const tools and e curate proo ncy. Upor nets and mo	structing equipment. duction jigs a completion, oldings
		back to	<u>top</u>				
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>o</u> Credit
BMS-112	Marine Bluep	rints / Lofting	2	4	0	0	4
	Prerequisites:	None					
	State Corequi	sites: Take BMS-111;					
	Description:	This course introduces boat renovation of a boat. Emplituhe Lines Plan which descri- students should be able to p or boat component.	plans an nasis is pl bes the s prepare fu <u>top</u>	d bluep aced of hape of ill size	prints used n the impo f the hull. drawings (in the con ortance of u Upon com (lofting) of	struction or inderstanding pletion, a boat, plug,

			Class	Lab	Clinical	Work Exp	Page Credit
BMS-113	Hull and Deck	Construction	2	6	0	0	5
	Prerequisites:	None					
	State Corequis	sites: Take BMS-112;					
	Description:	This course provides hands decks. Emphasis is placed composite fiberglass hulls, Upon completion, students industry standards.	s-on instru on acquin plugs, me should be	nction of ring the olds, an e able t	on how to l skills nec d cold mo o construc	ouild custon essary to bu lded woode t a hull or d	n hulls and iild en vessels. eck to boa
		back to	top				
			<u>Class</u>	Lab	<u>Clinical</u>	Work Exp	Credit
BMS-114	Introduction to	o Composites	1	4	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
						u ili workin	g with
		resins, fabrics, and adhesiv safety. Topics include com fabrics, using product data materials and finished prod follow a lamination schedu execute gel coat, solid, and	es, with s aponent re sheets wh luct. Upo le, mix re cored pa	pecial e esin mi nile emp on comp esins wi nel repa	emphasis of xing and a phasizing of pletion, stu thin strict airs.	on composit pplication o quality cont dents shoul parameters,	e material of cores an rol of raw d be able t , and
		resins, fabrics, and adhesiv safety. Topics include com fabrics, using product data materials and finished prod follow a lamination schedu execute gel coat, solid, and <u>back to</u>	es, with s nponent re sheets wh luct. Upo le, mix re cored pa	pecial of esin mit nile emp on comp esins wi nel repa	emphasis of xing and a phasizing of pletion, stu thin strict airs.	on composit pplication o quality cont dents shoul parameters,	e material of cores an rol of raw d be able t , and
		resins, fabrics, and adhesiv safety. Topics include com fabrics, using product data materials and finished prod follow a lamination schedu execute gel coat, solid, and <u>back to</u>	es, with s nponent re sheets wh luct. Upo le, mix re cored pa <u>top</u> <u>Class</u>	pecial of esin mini- nile empon comp esins wi nel repa <u>Lab</u>	emphasis of xing and a phasizing of pletion, stu thin strict airs. <u>Clinical</u>	on composit pplication o quality cont dents shoul parameters, <u>Work Exp</u>	e material of cores an rol of raw d be able t , and <u>Credit</u>
BMS-115	Tooling/Mold	resins, fabrics, and adhesiv safety. Topics include com fabrics, using product data materials and finished prod follow a lamination schedu execute gel coat, solid, and <u>back to</u> Construction	es, with s ponent re sheets wh luct. Upo le, mix re cored pa <u>top</u> <u>Class</u> 2	pecial of esin mi nile emp on comp esins wi nel repa <u>Lab</u> 6	emphasis of xing and a phasizing of pletion, stu thin strict airs. <u>Clinical</u> 0	on composit pplication o quality cont dents shoul parameters, <u>Work Exp</u> 0	e material of cores an rol of raw d be able t and <u>Credit</u> 5
BMS-115	Tooling/Mold Prerequisites:	resins, fabrics, and adhesiv safety. Topics include com fabrics, using product data materials and finished prod follow a lamination schedu execute gel coat, solid, and <u>back to</u> Construction None	es, with s ponent re sheets wh luct. Upo le, mix re cored pa <u>top</u> <u>Class</u> 2	pecial of esin mit nile emp on comp esins wi nel repa <u>Lab</u> 6	emphasis of xing and a phasizing of pletion, stu thin strict airs. <u>Clinical</u> 0	on composit pplication o quality cont dents shoul parameters, <u>Work Exp</u> 0	e material of cores an rol of raw d be able t , and <u>Credit</u> 5
BMS-115	Tooling/Mold Prerequisites: State Corequis	resins, fabrics, and adhesiv safety. Topics include com fabrics, using product data materials and finished prod follow a lamination schedu execute gel coat, solid, and <u>back to</u> Construction None sites: Take BMS-114;	es, with s ponent re sheets wh luct. Upo le, mix re cored pa <u>top</u> <u>Class</u> 2	pecial of esin mi nile emp on comp esins wi nel repa <u>Lab</u> 6	emphasis of xing and a phasizing of pletion, stu thin strict airs. <u>Clinical</u> 0	on composit pplication o quality cont dents shoul parameters, <u>Work Exp</u> 0	e material of cores an rol of raw d be able t , and <u>Credit</u> 5

			Class	Lab	Clinical	Work Ex	Page ap Credit
BMS-116	Composite Pro	oduction	3	<u>1110</u>	0	0	5
	Prerequisites.	None	5	0	0	0	5
	State Corequis	sites: Take BMS-115					
	Description:	This course introduc utilized in industry f molds. Emphasis is components. Upon composite part to de techniques.	ees composite eq for mass produci placed on using completion, stud sign standards u	uipmer ng com produc lents sh sing ha	nt and man posite par ction mold could be ab nd lay, spi	ufacturing ts from co s to produ ble to build ray, or inf	g techniques omposite ice fiberglas d a quality usion
		1	back to top				
			Class	<u>Lab</u>	<u>Clinical</u>	Work Ex	<u>p</u> Credit
BMS-117	Marine Spray	Finishing	1	2	0	0	2
	Prerequisites:	None					
	Corequisites:	None					
		common to the mari placed on safety, pro troubleshooting finis	ne manufacturin poduct data sheets	g and s , mixin	ervice ind g ratios, p	ustry. Er roper spra	y equipment ophasis is ay technique
		be able to correctly of compounds, primers	shes and equipm operate tools to e and finish coats	efficien to indu	tly prepare ustry stand	e surfaces lards.	dents should
		be able to correctly of compounds, primers	shes and equipm operate tools to e and finish coats back to top	ent. Uj efficien s to indu	tly prepare ustry stand	e surfaces. lards.	dents should
		be able to correctly of compounds, primers	shes and equipm operate tools to e and finish coats back to top INESS (BUS)	ent. Uj efficien to ind	tly prepare ustry stand	e surfaces, lards.	dents should
		be able to correctly of compounds, primers <u>l</u> BUS	shes and equipm operate tools to e and finish coats <u>back to top</u> INESS (BUS) <u>Class</u>	ent. Up efficien to indu	tly prepare ustry stand	e surfaces, lards.	dents should , apply fairin
3US-110	Introduction to	be able to correctly of compounds, primers <u>l</u> BUS	shes and equipm operate tools to e and finish coats oack to top INESS (BUS) <u>Class</u> 3	ent. Up efficien to indu <u>Lab</u> 0	tly prepare ustry stand	work Ex	dents should , apply fairin sp <u>Credit</u> 3
BUS-110	Introduction to Prerequisites:	be able to correctly of compounds, primers <u>l</u> BUS D Business None	shes and equipm operate tools to e and finish coats <u>back to top</u> INESS (BUS) <u>Class</u> 3	ent. Uj efficien to indu <u>Lab</u> 0	tly prepare ustry stand	work Ex	dents should , apply fairin <u>ap Credit</u> 3
BUS-110	Introduction to Prerequisites: Corequisites:	be able to correctly of compounds, primers BUS Business None None	shes and equipm operate tools to e and finish coats <u>back to top</u> INESS (BUS) <u>Class</u> 3	ent. Uj efficien to indu <u>Lab</u> 0	tly prepare ustry stand	work Ex	dents should , apply fairin ap <u>Credit</u> 3
BUS-110	Introduction to Prerequisites: Corequisites: Description:	be able to correctly of compounds, primers <u>l</u> BUS business None None This course provides basic principles and students should be a as a foundation for s	shes and equipm operate tools to e and finish coats oack to top INESS (BUS) <u>Class</u> 3 s a survey of the practices of con ble to demonstra studying other bu	ent. Up efficien to indu <u>Lab</u> 0 busine tempor te an u usiness	on compl tly prepare ustry stand <u>Clinical</u> 0 ss world. ary busine nderstandi subjects.	Work Ex 0 Topics in ss. Upon	dents should , apply fairin <u>apply fairin</u> <u>apply fairin</u> <u>apply fairin</u> <u>apply fairin</u> <u>apply fairin</u> <u>apply fairin</u>

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			<u>Class</u>	<u>Lab</u>	Clinical	Work Exp	Credit
BUS-115	Business Law	Ι	3	0	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course introduces the e is placed on contracts, nego and the working of the cour able to apply ethical issues making situations.	ethics and stiable ins st systems and laws	l legal f strumen s. Upoi covere	ramework ts, Unifor n completi d to select	t of busines m Commer on, student ed business	s. Emphasis cial Code, s should be s decision-
		back to	<u>top</u>				
			<u>Class</u>	<u>Lab</u>	Clinical	Work Exp	Credit
BUS-125	Personal Finar	nce	3	0	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course provides a stud Emphasis is placed on build increasing resources, and co completion, students should	y of indiv ling usefu oping wit l be able	vidual a ul skills h curre to deve	nd family in buying nt econom lop a perse	financial d g, managing lic condition onal financ	ecisions. g finances, ns. Upon ial plan.
		back to	<u>top</u>				
			<u>Class</u>	Lab	Clinical	Work Exp	Credit
BUS-137	Principles of M	Management	3	0	0	0	3
BUS-137	Principles of M Prerequisites:	Aanagement None	3	0	0	0	3
BUS-137	Principles of M Prerequisites: Corequisites:	Aanagement None None	3	0	0	0	3

			Class	Lab	Clinical	Work Exp	Credit
BUS-139	Entrepreneurs	hip I	3	0	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course provides an inter Topics include self-analysis entrepreneur in economic d structure, sources of finance students should have an une issues faced by entrepreneur	roductior s of entre levelopm ing, budg derstandi ırs.	n to the preneur ent, leg geting, <i>a</i> ng of th	principles rship readi al problen and cash fl ne entrepre	of entrepre iness, the ro ns, organiza ow. Upon c eneurial pro	eneurship. ble of ational completion cess and
		back to	top				
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	Credit
BUS-153	Human Resou	rce Management	3	0	0	0	3
	Prerequisites:	None					
	Prerequisites: Corequisites: Description:	None None This course introduces the t	functions	ofpers	sonnel/hun	nan resourc	re.
	Prerequisites: Corequisites: Description:	None None This course introduces the t management within an orga the legal environment, recru employee development, con Upon completion, students resource concerns.	functions anization uitment a mpensations should b	of pers Topic nd sele on plan e able to	sonnel/hum s include of ction, perf ning, and of o anticipat	nan resourc equal oppor formance ap employee re te and resol	e rtunity and opraisal, elations. ve human
	Prerequisites: Corequisites: Description:	None None This course introduces the t management within an orga the legal environment, recru employee development, con Upon completion, students resource concerns.	functions anization uitment a mpensation should b top	of pers Topic nd sele on plan e able to	sonnel/hum s include of ction, perf ning, and of o anticipat	nan resourc equal oppor formance ap employee re te and resol	e rtunity and opraisal, elations. ve human
	Prerequisites: Corequisites: Description:	None None This course introduces the t management within an orga the legal environment, recru employee development, con Upon completion, students resource concerns. <u>back to</u>	functions anization uitment a mpensation should b top <u>Class</u>	of pers Topic and selet on plan e able to <u>Lab</u>	sonnel/hum s include o ction, perf ning, and o o anticipat <u>Clinical</u>	nan resourc equal oppor formance ap employee re te and resol	e rtunity and ppraisal, elations. ve human
BUS-230	Prerequisites: Corequisites: Description: Small Busines	None None This course introduces the t management within an orga the legal environment, recru employee development, con Upon completion, students resource concerns. <u>back to</u>	functions anization uitment a mpensation should b top <u>Class</u> 3	of pers . Topic .nd sele on plan e able to <u>Lab</u> 0	connel/hum s include of ction, perf ning, and of o anticipat <u>Clinical</u> 0	nan resourc equal oppor formance ap employee re te and resol <u>Work Exp</u> 0	re rtunity and opraisal, elations. ve human <u>e Credit</u> 3
BUS-230	Prerequisites: Corequisites: Description: Small Busines Prerequisites:	None None This course introduces the f management within an orga the legal environment, recru employee development, con Upon completion, students resource concerns. <u>back to</u> s Management None	functions anization uitment a mpensation should b top <u>Class</u> 3	of pers . Topic .nd sele on plan e able to <u>Lab</u> 0	connel/hum s include o ction, perf ning, and o o anticipat <u>Clinical</u> 0	nan resourc equal oppor formance ap employee re te and resol <u>Work Exp</u> 0	re rtunity and opraisal, elations. ve human <u>e Credit</u> 3
BUS-230	Prerequisites: Corequisites: Description: Small Busines Prerequisites: Corequisites:	None None This course introduces the t management within an orga the legal environment, recru employee development, con Upon completion, students resource concerns. back to s Management None None None	functions anization uitment a mpensation should b top <u>Class</u> 3	of pers . Topic .nd sele on plan e able to <u>Lab</u> 0	sonnel/hum s include o ction, perf ning, and o o anticipat <u>Clinical</u> 0	nan resourc equal oppor formance ap employee re te and resol <u>Work Exp</u> 0	re rtunity and opraisal, elations. ve human <u>e Credit</u> 3

			<u>C</u> 1	T .1.	<u>C11111111</u>	W	. C 114
			Class	Lab	Clinical	WORK EX	<u>p</u> <u>Credit</u>
BUS-253	Leadership an	d Management Skills	3	0	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course includes a stud exhibited by leaders. Emp building, and employee inv able to identify and exhibit effectiveness. <u>back to top</u>	ly of the c hasis is pl volvement t the beha	ualities laced of t. Upor viors ne	s, behavior n coaching n completi eeded for o	rs, and pers g, counseli on, studen organizatio	sonal styles ng, team ts should bo onal
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Ex	p <u>Credit</u>
3US-260	Business Com	nmunication	3	0	0	0	3
	State Prerequi	sites: Take ENG-110 or EN	G-111;				
	Corequisites	None					
	Description:	This course is designed to	develop s	kills in	writing bu	isiness cor	nmunicatio
	Description:	This course is designed to Emphasis is placed on busing presentations. Upon comp effectively in the work place	develop s iness repo letion, stu ce.	kills in orts, cor idents s	writing bu responden hould be a	usiness con ice, and pro able to con	nmunicatio ofessional nmunicate
	Description:	This course is designed to Emphasis is placed on busing presentations. Upon comp effectively in the work place back to	develop s iness repo letion, stu ce. <u>o top</u>	kills in orts, cor idents s	writing bu responden hould be a	usiness cor ace, and pro able to con	nmunicatio ofessional nmunicate
	Description:	This course is designed to Emphasis is placed on busing presentations. Upon complete fectively in the work place back to CARPENTH	develop s iness repo letion, stu ce. <u>o top</u> RY (CA)	kills in orts, cor idents s R)	writing bu responden hould be a	usiness cor ace, and pro able to con	nmunicatio ofessional nmunicate
	Description:	This course is designed to Emphasis is placed on busi presentations. Upon comp effectively in the work place <u>back to</u> CARPENTH	develop s iness repo letion, stu ce. <u>o top</u> RY (CA) <u>Class</u>	kills in orts, cor idents s R) <u>Lab</u>	writing bu responden hould be a <u>Clinical</u>	usiness cor ace, and pro able to con	nmunicatio ofessional nmunicate <u>p Credit</u>
CAR-111	Carpentry I	This course is designed to Emphasis is placed on busing presentations. Upon complete effectively in the work place back to CARPENTH	develop s iness repo letion, stu ce. <u>o top</u> RY (CA) <u>Class</u> 3	kills in orts, cor idents s R) <u>Lab</u> 15	writing bu responden hould be a <u>Clinical</u> 0	usiness cor ace, and pro able to con <u>Work Ex</u> 0	nmunicatio ofessional nmunicate <u>p Credit</u> 8
CAR-111	Carpentry I Prerequisites:	This course is designed to Emphasis is placed on busing presentations. Upon complete ffectively in the work place back to CARPENTH	develop s iness repo letion, stu ce. <u>o top</u> RY (CA) <u>Class</u> 3	kills in orts, cor idents s R) <u>Lab</u> 15	writing bu responden hould be a <u>Clinical</u> 0	usiness cor ace, and pro able to con <u>Work Ex</u> 0	nmunicatio ofessional nmunicate <u>p Credit</u> 8
CAR-111	Carpentry I Prerequisites: Local Corequi	This course is designed to Emphasis is placed on busing presentations. Upon complet effectively in the work place back to CARPENTH None isites: None	develop s iness repo letion, stu ce. <u>o top</u> RY (CA) <u>Class</u> 3	kills in orts, cor idents s R) <u>Lab</u> 15	writing bu responden hould be a <u>Clinical</u> 0	usiness cor ace, and pro able to con <u>Work Ex</u> 0	nmunicatio ofessional nmunicate <u>p Credit</u> 8
CAR-111	Carpentry I Prerequisites: Local Corequi Description:	This course is designed to Emphasis is placed on busing presentations. Upon complete ffectively in the work place back to CARPENTH None isites: None This course introduces the the building industry, inclue Topics include safety, hand and layout, footings and foo topics. Upon completion, s perform basic framing skill	develop s iness repo- letion, stu- ce. 2 top RY (CA) <u>Class</u> 3 theory an iding fran d/power to oundations students sl ls with su	kills in orts, cor idents s R) <u>Lab</u> 15 d const ning, ma s, const nould be pervisio	writing bu responden hould be a <u>Clinical</u> 0 ruction me aterials, to site prepa ruction fra e able to s on.	Work Ex 0 work asse 0 work asse 0 work 0 work asse o work asse 0 work asse o work asse o work as o o o o o o o o o o o o o o o o o o	nmunication ofessional nmunicate <u>p Credit</u> 8 ociated with quipment. easurement other relate out and

					Page 52
	<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>Credit</u>
CAR-112 Carpentry II	3	15	0	0	8

Prerequisites: Take CAR-111

Local Corequisites:

Description: This course covers the advanced theory and construction methods associated with the building industry including framing and exterior finishes. Topics include safety, hand/power tool use, measurement and layout, construction framing, exterior trim and finish, and other related topics. Upon completion, students should be able to safely frame and apply exterior finishes to a residential building with supervision.

back to top

CHEMISTRY (CHM)

		<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	Credit
CHM-131	Introduction to Chemistry	3	0	0	0	3

Prerequisites: None

Local Corequisites: Take CHM-131A;

Description: This course introduces the fundamental concepts of inorganic chemistry. Topics include measurement, matter and energy, atomic and molecular structure, nuclear chemistry, stoichiometry, chemical formulas and reactions, chemical bonding, gas laws, solutions, and acids and bases. Upon completion, students should be able to demonstrate a basic understanding of chemistry as it applies to other fields

back to top

	<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	<u>Work Exp</u>	<u>Credit</u>
CHM-131AIntroduction to Chemistry Lab	0	3	0	0	1

Prerequisites: None

State Corequisites: Take CHM-131;

Description: This course is a laboratory to accompany CHM 131. Emphasis is placed on laboratory experiences that enhance materials presented in CHM 131. Upon completion, students should be able to utilize basic laboratory procedures and apply them to chemical principles presented in CHM 131.

			Class	Lab	Clinical	Work Ex	<u>p</u> <u>Credit</u>
CHM-151	General Chem	nistry I	3	3	0	0	4
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course covers fundaminclude measurement, atom reactions, chemical bondin solutions. Upon completion understanding of fundament 152. <u>back to top</u>	nental prim nic and m ng, stoichi on, studen ntal chem	ciples a olecula ometry, ts shoul ical law	and laws o r structure thermoch d be able rs and cond	f chemistr , periodici emistry, g to demons cepts as ne	y. Topics ty, chemica as laws, and strate an eeded in CH
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Ex	<u>p</u> Credit
CHM-152	General Chem	nistry II	3	3	0	0	4
	State Prerequi	sites: Take CHM-151;					
	Corequisites:	None					
	Description:	This course provides a comprinciples and laws of cher	tinuation nistry. To	opics in	clude kine	etics, equil	ibrium, ioni
	Description:	This course provides a comprinciples and laws of cher and redox equations, acid- introduction to nuclear and completion, students shoul chemical concepts as needed professional fields.	tinuation mistry. To base theor l organic o d be able ed to purs	opics in cy, elect chemist to dem- ue furth	clude kine crochemist ry, and co onstrate ar her study i	etics, equil ry, thermo mplex ion n understan n chemistr	librium, ioni odynamics, s. Upon nding of ry and relate
	Description:	This course provides a comprinciples and laws of cher and redox equations, acid- introduction to nuclear and completion, students shoul chemical concepts as needed professional fields.	tinuation mistry. To base theor l organic o d be able ed to purs	opics in cy, elect chemist to demu ue furth	clude kine crochemist ry, and co onstrate ar her study i	e fundation etics, equil ry, thermo mplex ion n understan n chemista	librium, ioni odynamics, s. Upon nding of ry and relate
	Description:	This course provides a comprinciples and laws of cher and redox equations, acid-lintroduction to nuclear and completion, students shoul chemical concepts as needed professional fields.	tinuation mistry. To base theor l organic o d be able ed to purs <u>o top</u> <u>Class</u>	chemist to dema ue furth	clude kine rochemist ry, and co onstrate ar her study i	etics, equil ry, thermo mplex ion n understan n chemistr	bibrium, ioni odynamics, s. Upon nding of ry and relate
CHM-251	Description: Organic Chen	This course provides a con principles and laws of cher and redox equations, acid- introduction to nuclear and completion, students shoul chemical concepts as neede professional fields. <u>back to</u>	tinuation mistry. To base theor l organic o d be able ed to purs <u>o top</u> <u>Class</u> 3	chemist to demo ue furth	clude kine crochemist ry, and co onstrate ar her study is <u>Clinical</u> 0	etics, equil ry, thermo mplex ion n understan n chemistr <u>Work Ex</u> 0	librium, ioni odynamics, s. Upon nding of ry and relate <u>p Credit</u> 4
CHM-251	Description: Organic Chen State Prerequi	This course provides a con principles and laws of cher and redox equations, acid- introduction to nuclear and completion, students shoul chemical concepts as need professional fields. <u>back to</u> histry I sites: Take CHM-152;	tinuation mistry. To base theor l organic o d be able ed to purs <u>o top</u> <u>Class</u> 3	chemist to demo ue furth	clude kine crochemist ry, and co onstrate ar her study i <u>Clinical</u> 0	e fundame etics, equil ry, thermo mplex ion n understan n chemistr <u>Work Ex</u> 0	librium, ioni odynamics, s. Upon nding of ry and relate <u>p Credit</u> 4
CHM-251	Description: Organic Chen State Prerequi Corequisites:	This course provides a con principles and laws of cher and redox equations, acid- introduction to nuclear and completion, students shoul chemical concepts as need professional fields. <u>back to</u> histry I sites: Take CHM-152; None	tinuation mistry. To base theor l organic o d be able ed to purs <u>o top</u> <u>Class</u> 3	to demist to demo ue furth	clude kine crochemist ry, and co onstrate ar her study i <u>Clinical</u> 0	e fundame etics, equil ry, thermo mplex ion n understan n chemistr <u>Work Ex</u> 0	librium, ioni odynamics, s. Upon nding of ry and relate <u>p Credit</u> 4
CHM-251	Description: Organic Chen State Prerequi Corequisites: Description:	This course provides a con principles and laws of cher and redox equations, acid-l introduction to nuclear and completion, students shoul chemical concepts as neede professional fields. <u>back to</u> nistry I sites: Take CHM-152; None This course provides a syst techniques of organic cher properties, reactions, and r alcohols, and ethers; furthe and spectroscopy. Upon co an understanding of the fur needed in CHM 252.	tinuation mistry. To base theor l organic of d be able ed to purs <u>o top</u> <u>Class</u> <u>3</u> tematic st nistry. To nechanismer topics in ompletion ndamenta	udy of t pics inc pics inc pics inc ue furth <u>Lab</u> 3 udy of t pics inc ns of hy nclude i , studen I concep	clude kine crochemist ry, and co onstrate ar her study i <u>Clinical</u> 0 che theorie lude nome vdrocarbor somerizat ts should b ots of cove	e rundanne etics, equil ry, thermo mplex ion n understan n chemistr <u>Work Ex</u> 0 es, principl enclature, ns, alkyl ha ion, stereo be able to ered organ	bibrium, ioni odynamics, s. Upon nding of ry and relate <u>p Credit</u> 4 es, and structure, alides, ochemistry, demonstrate ic topics as

				Page	54
<u>Class</u>	Lab	<u>Clinical</u>	Work Exp	Credit	
3	3	0	0	4	

CHM-252 Organic Chemistry II

State Prerequisites: Take CHM-251;

Corequisites: None

Description: This course provides continuation of the systematic study of the theories, principles, and techniques of organic chemistry. Topics include nomenclature, structure, properties, reactions, and mechanisms of aromatics, aldehydes, ketones, carboxylic acids and derivatives, amines and heterocyclics; multi-step synthesis will be emphasized. Upon completion, students should be able to demonstrate an understanding of organic concepts as needed to pursue further study in chemistry and related professional fields.

back to top

COMPUTER ENGINEERING TECHNOLOGY (CET)

		Clas	<u>s Lab</u>	<u>Clinical</u>	Work Exp	Credit
CET-111	Computer Upgrade/Repair I	2	3	0	0	3
	Prerequisites: None					

Corequisites: None

Description: This course covers repairing, servicing, and upgrading computers and peripherals in preparation for industry certification. Topics include CPU/memory/bus identification, disk subsystems, hardware/software installation/configuration, common device drivers, data recovery, system maintenance, and other related topics. Upon completion, students should be able to safely repair and/or upgrade computer systems to perform within specifications.

COMMUNICATION (COM)

			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>Credit</u>
COM-110	Introduction to	o Communication	3	0	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course provides an over and the skills necessary to c placed on communication the group, public, intercultural, completion, students should purposes of human communication	erview of communic heories ar and mass l be able t nication is	the bas cate in y nd techn s comm to expla n a vari	sic concep various co niques use nunication ain and illu iety of con	ts of comm ntexts. Em ed in interpo- situations. ustrate the ntexts.	unication phasis is ersonal Upon forms and
		back to	<u>top</u>				
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>Credit</u>
COM-120	Intro Interpers	sonal Communication	3	0	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course introduces the p communication in both dya communication process, per apprehension, ethics, nonver dysfunctional communication should be able to demonstration basic principles of group di communication situations.	bractices a dic and g rception, wrbal com on relation ate interpo- scussion,	and prin roup se listenin munica nships. ersonal and ma	nciples of ettings. Em ng, self-dis ttion, conf Upon cor communi anage cont	interpersor phasis is p closure, sp lict, power, npletion, st cation skill flict in inte	nal laced on the eech , and tudents ls, apply rpersonal
		back to	<u>top</u>				
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>Credit</u>
COM-231	Public Speaki	ng	3	0	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course provides instruct of speeches within a public on research, preparation, de and special occasion public able to prepare and deliver discussion with appropriate	ction and setting an livery, an speaking well-orga audiovis	experie nd grou nd evalu g. Upon nized s ual sup	ence in pre p discussi uation of i completio peeches a port. <u>back</u>	eparation and on. Empha nformative on, students nd particips to top	nd delivery sis is placed , persuasive, s should be ate in group

COMPUTER INFORMATION TECHNOLOGY (CTS)

			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Ex	p <u>Credit</u>
CTS-115	Information S	ystems Business Concepts	3	0	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	Description:	The course introduces the r need for business process a need for understanding bus information systems to con these challenges. Upon con knowledge of the 'hybrid bu technology and systems.	role of IT nd IT alig iness cha tribute to npletion, a usiness m	in man gnment llenges the dec student anager	aging busi Emphasi and devel cision mak s should b and the p	iness proce s is placed oping/mar ing proces e able to d otential of	esses and the on industry naging as based on emonstrate fered by new
		Competencies					
		1. Identify the relationship requirements of an enter	p between rprise.	the bu	siness obj	ectives and	l the IT
		2. Identify attributes that i	nake up a	ı "hybri	d business	s manager.	
		3. Assess the role of techn	ology op	tions fo	or managin	g business	s processes.
		back to	top				
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Ex	<u>p</u> <u>Credit</u>
CTS-120	Hardware/Sof	tware Support	2	3	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course covers the basi installation, operations and component identification, r configuration, preventive n installation and optimization system configuration, and of be able to select appropriate upgrade/maintain existing e non-functioning personal co	c hardwar interaction nemory-s naintenan on of syste levice-dri e compute equipmen omputers	re of a pons with ystem, ce, hard em soft ivers. U er equip t and so	personal consolvation peripheral lware diag ware, com pon component and oftware, an	omputer, i . Topics ir installatio gnostics/re mercial pr letion, stu software, nd troubles	ncluding iclude on and pair, ograms, dents should shoot/repair
	Competencies						
	1. Identif needs.	y appropriate computer equi	ipment an	d softw	vare based	on organi	zational

2. Demonstrate ability to upgrade/maintain existing equipment and software.

3. Repair non-functioning personal computers.

			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>Credit</u>
CTS-130	Spreadsheet		2	2	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course introduces basic include writing formulas, us charts, and printing. Upon c print basic spreadsheets and	c spreads sing func completio l charts. <u>b</u>	heet de tions, e on, stud ack to t	sign and d nhancing s ents shoul top	evelopment. spreadsheets d be able to	. Topics , creating design and
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	Credit
CTS-220	Adv Hard/Sof	tware Support	2	3	0	0	3
	Prerequisites:	Take CTS-120;					
	Corequisites:	None					
	Description:	This course provides advance operating system technolog computers. Emphasis is place troubleshooting; as well as p software. Upon completion, diagnose, perform preventive personal computers.	ced know ies for co ced on: co preventiv , students ve mainte	vledge a omputer onfigur e main should nance,	and compe technicia ing and up tenance of be able to and maint	etencies in ha ns to suppor ograding; dia hardware and install, con cain basic net	ardware and t personal agnosis and nd system afigure, tworking on
		back to	<u>top</u>				
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	Credit
CTS-240	Project Manag	gement	2	2	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course introduces com include identifying critical p Upon completion, students project time and costs accur <u>back to</u>	puterized paths, cos should be ately. top	l projec st mana e able to	t manager gement, a o plan a co	nent softwar nd problem s omplete proje	e. Topics solving. ect and

			Class	Lab	Clinical	Work Ext	Page 5
CTS-289	System Suppo	ort Project	1	4	0	0	3
010 207	State Prerequi	sites: Take All: CTI-110.	- CTI-120. a	nd CTS	5-115:	Ū	C
	Corequisites:	None	e 11 120, u		, 110,		
	Description:	This course provides an o with minimal instructor as communication skills, pro- presentation, and user trai complete a project from the top	pportunity ssistance. I oject defini ining. Upor he definitio	to com Emphas tion, do n comp on phase	plete a sig is is placed cumentati- letion, stud e through i	nificant su d on writte on, installa lents shou implement	apport project en and oral ation, testing ld be able to ation. <u>back t</u>
		COMPUTER S	CIENCE	(CSC	()		
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>p</u> Credit
CSC-120	Computing Fu	indamentals i	3	2	0	0	4
	Prerequisites:	Take One Set:					
		Set 1: DMA-010 DMA-0)20, DMA-	030, D	MA-040, I	DMA-050	i
		Set 2: DMA-010, DMA-0	020, DMA	-030, D	MA-045;		
		Set 3: DMA-025, DMA-0	040, DMA	050;			
		Set 4: DMA-025, DMA0	945;				
		Set 5: MAT-121;					
		Set 6: MAT-171;					
	Corequisites:	None					
	Description:	This course provides the e and a program of study in professional. Topics inclu and sorting algorithms, an completion, students show specify data types, perform	essential fo computer ide algorith id procedua ild be able m sorts and	oundatic science im desig ral prog to solve l search	on for the c e, including gn, data ab gramming t e problems aes, and us	discipline of g the role of ostraction, techniques s, develop e an opera	of computing of the searching a. Upon algorithms, ting system.
	Competencies						
	1. Apply	control structures.					
	1 Deviale	n algorithms					
	2. Develo	p algorithms.					

			Class	Lab	Clinical	Work Ext	Credit
CSC-151	JAVA Program	nming	2	3	0	0	3
	Prerequisites:	None		-	-	-	-
	Corequisites:	None					
	Description:	This course introduces co programming language v Emphasis is placed on ev creating and manipulatin such as the class debugge design, code, test, debug	omputer provith object-over the object-over the objects, constrained by the objects, constrained by the object of	ogramm oriented progran lasses, mpletic guage p	ning using d programi mming me and using on students rograms.	the JAVA ming princ thods, incl object-orie s should be	iples. uding nted tools able to
		back	<u>to top</u>				
			<u>Class</u>	Lab	<u>Clinical</u>	Work Exp	<u>Credit</u>
CSC-153	C# Programm	ing	2	3	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course introduces co language with object-orio on event-driven program objects, classes, and usin Upon completion, studen implement objects using OMPUTER TECH /	omputer pro- ented progra- ming metho g object-ori its should be the appropri- INTEGR	ogramm amming ods, inc iented t e able t riate en	ning using g principle cluding crea ools such a o design, c vironment DN (CTI)	the C# pro s. Emphase ating and r as the class code, test, of at the begin	gramming is is placed nanipulatin debugger lebug, and nning leve
			<u>Class</u>	<u>Lab</u>	Clinical	Work Exp	<u>Credit</u>
CTI-110	Web, Pgm, &	Db Foundation	2	2	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course covers the in students in programming Topics include standard in pages, using search enging	troduction of mark-up lar mark-up lar nes, file trar	of the te anguag nguage nsfer pr	ools and re e and servi Internet se ograms; ar	esources av ices on the prvices, cre nd database	ailable to Internet. ating web e design an

creation with DBMS products. Upon completion students should be able to demonstrate knowledge of programming tools, deploy a web-site with markup tools, and create a simple database table.

Competencies

1. Apply basic principles of programming logic.

- 2. Create a simple website with mark-up tools.
- 3. Create a simple database table.

			-				
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>Credit</u>
CTI-115	Computer System	s Foundation	2	2	0	0	3
	Prerequisites: No	one					
	Corequisites: No	one					
	Description: The con To pro- set	is course introduces the b mputer workstation and the pics include installing an ograms, and device driven to up a workstation, install	basic hard heir opera d updatin rs. Upon o software	lware c ations a g syste comple , and es	omponent and interac em softwar tion, stude stablish ne	es of a person ections with so re, applicatio ents should b etwork conne	al oftware. n software e able to ctivity.
	Competencies						
	1. Select app	oropriate computer equipr	nent and	softwa	re based o	n organizatic	nal needs.
	2. Identify th	e steps to install or updat	e softwar	e.			
	3. Outline the	e steps to establish netwo	ork conne	ction			
		back to	<u>top</u>				
			<u>Class</u>	Lab	<u>Clinical</u>	Work Exp	Credit
CTI-120	Network & Sec Fe	oundation	2	2	0	0	3
	Prerequisites: No	one					
	Corequisites: No	one					
	Description: The net net the able met	is course introduces stude tworking terminology and twork standards. Emphas e various implementation le to perform basic tasks edia and protocols.	ents to the d protoco is is place policies. related to	e Netw ls, loca ed on se Upon o netwo	ork conce l and wide ecuring in completion rking mat	pts, including e area networ formation sy n, students sh hematics, ter	g ks, and stems and hould be minology,
	Competencies						
	1. Perform ba	asic calculations necessar	ry for net	work o	perations.		
	2. Identify th	e components of local an	d wide a	rea netv	works.		
	3. Identify se	ecurity risks to a network	ed inform	ation s	ystem.		
		back to	<u>top</u>				

			<u>Class</u>	<u>Lab</u>	Clinical	Work Ex	p <u>Credit</u>
CTI-140	Virtualization	Concepts	1	4	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course introduces op virtualization terminology access control. Upon com related to installation, con	erating sys y, virtual m pletion, stu figuration	stem vin achine udents s and ma	tualization storage, v should be a magement	n. Emphasi irtual netw able to per of virtual	is is placed orking and form tasks machines.
		back t	<u>o top</u>				
		CONSTRUC	TION (C	CST)			
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Ex	p Credit
CST-131	OSHA/Safety	/Certification	2	2	0	0	3
	Prerequisites:	None					
	State Corequi	sites: None					
	Description.	regulations, tool safety, ar industry. Upon completion safe working environment records and certifications.	nd certifica n, students t based on	tions w should OSHA	which related be able to regulation	e to the com o identify a as and main	nstruction and maintair ntain proper
		back t	o top				
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>p</u> <u>Credit</u>
CST-221	Statics/Structu	ires	3	3	0	0	4
	Prerequisites:	None					
		Set 1: ARC-112 and MA	T-110				
		Set 2: ARC-112 and MA	T-121				
		Set 3: ARC-112 and MA	T-171				
		Set 4: CAR-112 and MA	T-110				
		Set 5: CAR-112 and MA	T-121				
		Set 6: CAR-112 and MA	T-171				
		Set 7: CST-112 and MAT	Γ-110				
		Set 8: CST-112 and MAT	Г-121				
		Set 9: CST-112 and MAT	Г-171				
	State Corequi	sites: None					

							rage 02
	Description:	This course covers the prine	ciples of a	statics a	and streng	th of mater	ials as
		applied to structural building	g compo	nents. T	Fopics incl	lude forces	on columns,
		beams, girders, and footing	s and con	nectior	n points wl	hen timber,	steel, and
		concrete members are used accurately analyze load con	Upon co ditions p	ompleti resent i	on, studen n structura	ts should be al members	e able to
		back to	<u>top</u>				
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	Credit
CST-241	Planning/Esti	mating I	2	2	0	0	3
	Prerequisites:	Take One: BPR-130, MAT	-121, or N	MAT-1	71		
	State Corequi	sites: None					
	Description:	This course covers the proc construction/building projec of materials necessary for a should be able to accurately needs involved in a constru	edures in ct. Topics building complet ction pro	volved s includ project e a take ject.	in plannir le perform t. Upon co e-off of ma	ng and estin ing quantit ompletion, s aterials and	nating a y take-offs students equipment
		back to	<u>top</u>				
			<u>Class</u>	Lab	Clinical	Work Exp	Credit
CST-251	Electrical Win	ring Systems	2	2	0	0	3
	Prerequisites:	None					
	State Corequi	sites: None					
	Description:	This course introduces resident to the second secon	lential an	d comr	nercial ele	ectrical wiri	ng systems. NEC. circuit

Topics include safety, care and use of tools and materials, use of NEC, circui planning, overcurrent protection, and installation of conduits, cables, and conductors. Upon completion, students should be able to correctly identify tools, materials, and procedures for electrical installation.

Page | 63

CONSTRUCTION MANAGEMENT (CMT)

		<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	Credit
CMT-120	Codes and Inspections	3	0	0	0	3

Prerequisites: None

State Corequisites: None

Description: This course covers building codes and the code inspections process used in the design and construction of residential and commercial buildings. Emphasis is placed on commercial, residential, and accessibility (ADA) building codes. Upon completion, students should understand the building code inspections process and apply building code principals and requirements to construction projects.

back to top

COSMETOLOGY (COS)

		<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	Credit
COS-111	Cosmetology Concepts I	4	0	0	0	4

Prerequisites: None

State Corequisites: Take COS-112;

Description: This course introduces basic cosmetology concepts. Topics include safety, first aid, sanitation, bacteriology, anatomy, diseases and disorders, hygiene, product knowledge, chemistry, ethics, manicures, and other related topics. Upon completion, students should be able to safely and competently apply cosmetology concepts in the salon setting.

back to top

			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>Credit</u>
COS-112	Salon I		0	24	0	0	8
	Prerequisites:	None					
	State Corequis	sites: Take COS-111;					
	Description:	This course introduces basic shampooing, rinsing, hair co pressing, relaxing, wigs, and should be able to safely and	e salon ser blor, desig l other rel competer	rvices. gn, hair lated to ntly de	Topics in cutting, p ppics. Upo monstrate	iclude scalp ermanent wa on completio salon servic	treatments, aving, on, students ces.

			Class	T al-	C_{1}	West F	rage
		a b b	<u>Class</u>	Lab	Clinical	<u>work Exp</u>	<u>credit</u>
COS-113	Cosmetology	Concepts II	4	0	0	0	4
	State Prerequ	isites: Take All: COS-111 a	and COS-1	112;			
	State Corequi	isites: None					
	Local Corequ	usite: Take COS-114;	_				_ ·
	Description.	include safety, product known restructuring, and hair color safely and competently appresetting. <u>back to top</u>	owledge, o oring. Upo ply these o	chemist on comp cosmeto	ry, manicu pletion, stu plogy conc	aring, chen idents shou cepts in the	nical nical Ild be able salon
			<u>Class</u>	Lab	<u>Clinical</u>	Work Exp	<u>o</u> Credit
COS-114	Salon II		0	24	0	0	8
	State Prerequ	isites: Take All: COS-111 a	and COS-1	12;			
	State Prerequ Local Corequ Description:	isites: Take All: COS-111 a iisites: Take COS-113; This course provides expe	and COS-1	l 12; a simula	ated salon	setting. To	pics includ
	State Prerequ Local Corequ Description:	isites: Take All: COS-111 a hisites: Take COS-113; This course provides expen- basic skin care, manicuring rinsing, hair color, design, and other related topics. U and competently demonstr	and COS-1 grience in a g, nail app haircuttin pon comp rate these s	12; a simula blication ag, chen bletion, se salon se	nted salon n, scalp tre nical restru students sl ervices. <u>bac</u>	setting. To atments, sl acturing, p nould be at a <u>k to top</u>	pics incluc nampooing ressing, wi ble to safel
	State Prerequ Local Corequ Description:	isites: Take All: COS-111 a hisites: Take COS-113; This course provides expen- basic skin care, manicuring rinsing, hair color, design, and other related topics. U and competently demonstr back te	and COS-1 rience in a g, nail app haircuttin pon comp rate these s o top	12; a simula blication ag, chen bletion, se salon se	nted salon n, scalp tre nical restru students sl ervices. <u>bac</u>	setting. To atments, sl acturing, p nould be al <u>k to top</u>	pics incluc nampooing ressing, wi ble to safel
°08-115	State Prerequ Local Corequ Description:	isites: Take All: COS-111 a iisites: Take COS-113; This course provides expe- basic skin care, manicuring rinsing, hair color, design, and other related topics. U and competently demonstr <u>back to</u>	and COS-1 rience in a g, nail app haircuttin pon comp rate these s o top <u>Class</u> 4	12; a simula plication og, chen pletion, s salon se <u>Lab</u> 0	nted salon n, scalp tre nical restru students sl ervices. <u>bac</u> <u>Clinical</u> 0	setting. To atments, sl acturing, p nould be al <u>k to top</u> <u>Work Exp</u>	pics incluc nampooing ressing, wi ble to safel <u>o Credit</u> 4
COS-115	State Prerequ Local Corequ Description: Cosmetology State Prerequ	isites: Take All: COS-111 a isites: Take COS-113; This course provides expe- basic skin care, manicuring rinsing, hair color, design, and other related topics. U and competently demonstr <u>back to</u> Concepts III isites: Take All: COS-111	and COS-1 rience in a g, nail app haircuttin Jpon comp rate these s o top <u>Class</u> 4 and COS-	112; a simula blicatior ag, chen bletion, s salon se <u>Lab</u> 0 112:	nted salon n, scalp tre nical restru students sl ervices. <u>bac</u> <u>Clinical</u> 0	setting. To atments, sl acturing, pr hould be al <u>k to top</u> <u>Work Exp</u> 0	pics incluc nampooing ressing, wi ble to safel <u>o Credit</u> 4
COS-115	State Prerequ Local Corequ Description: Cosmetology State Prerequ Local Prerequ	isites: Take All: COS-111 a hisites: Take COS-113; This course provides expen- basic skin care, manicuring rinsing, hair color, design, and other related topics. U and competently demonstr back to Concepts III isites: Take All: COS-111 hisites:	and COS-1 rience in a g, nail app haircuttin pon comp rate these s o top <u>Class</u> 4 and COS-	112; a simula blication ag, chen bletion, s salon se <u>Lab</u> 0 112; Tal	nted salon n, scalp tre nical restru students sl ervices. <u>bac</u> <u>Clinical</u> 0 ke COS-11	setting. To atments, sl acturing, p hould be al <u>ok to top</u> <u>Work Exp</u> 0	pics incluc nampooing ressing, wi ble to safel <u>p Credit</u> 4
COS-115	State Prerequ Local Corequ Description: Cosmetology State Prerequ Local Prerequ	isites: Take All: COS-111 a hisites: Take COS-113; This course provides expen- basic skin care, manicuring rinsing, hair color, design, and other related topics. U and competently demonstr <u>back to</u> Concepts III isites: Take All: COS-111 hisites:	and COS-1 rience in a g, nail app haircuttin pon comp rate these s o top <u>Class</u> 4 and COS-	112; a simula olication ag, chen oletion, s salon se <u>Lab</u> 0 112; Tal	nted salon n, scalp tre nical restru students sl ervices. <u>bac</u> <u>Clinical</u> 0 ke COS-11	setting. To atments, sl acturing, p hould be al <u>ok to top</u> <u>Work Exp</u> 0	pics incluc nampooing ressing, wi ble to safel <u>p Credit</u> 4

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							Page 65		
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>o</u> <u>Credit</u>		
COS-116	Salon III		0	12	0	0	4		
	State Prerequisites: Take All: COS-111 and COS-112;								
	Local Corequisites: Take COS-115;								
	Description:	This course provides com Emphasis is placed on in treatments, shampooing, restructuring, pressing, a should be able to safely a services. <u>back to top</u>	nprehensive termediate- hair color, o nd other rela and compete	experi level of lesign, ated top ently de	ence in a s skin care, haircuttin, bics. Upor monstrate	imulated s , manicurin g, chemica n completion these salo	alon setting. ng, scalp l on, students n		
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>o</u> Credit		
COS-117	Cosmetology	Concepts IV	2	0	0	0	2		
	State Prerequ	isites: Take All: COS-11	1 and COS-	112;					
	Local Prerequ	uisties: Take All: COS-11	3 COS-114	, COS-	115, COS·	-116;			
	State Corequisites: None								
	Local Corequ	isites: Take COS-118;							
	Ĩ	chemistry and hair struct of all cosmetology conce Upon completion, studer of these cosmetology con requirements. <u>back to top</u>	ure, advance pts in prepa its should be icepts and n	ed cutti ration to able to neet pro	ng and dea for the lice o demonst ogram con	sign, and a ensing exainsing exainsing exainsing exainsing example and example the second sec	n overview nination. lerstanding		
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>o</u> Credit		
COS-118	Salon IV		0	21	0	0	7		
	State Prerequ	isites: Take All: COS-111	and COS-1	12;					
	Local Prerequisties: Take All: COS-113, COS-114, COS-115, COS-116 COS-116;								
	State Corequisites: None								
	Local Corequisites: Take COS-117;								
	Local Corequ	isites: Take COS-117;							
	Local Corequ Description:	isites: Take COS-117; This course provides adv Emphasis is placed on ef in preparation for the lice completion, students sho requirements and the are Examination and meet er	anced exper ficient and c ensing exam uld be able as covered c ntry-level en	rience i compet ination to demo on the (nploym	n a simula ent deliver and emplo constrate co Cosmetolo nent requir	tted salon s cy of all sa oyment. U ompetence gy Licensi ements. <u>ba</u>	setting. lon services pon in program ng <u>ck to top</u> o Credit		
COS 110	Local Corequ Description:	tisites: Take COS-117; This course provides adv Emphasis is placed on ef in preparation for the lice completion, students sho requirements and the are Examination and meet er	anced exper ficient and o ensing exam uld be able as covered o ntry-level en <u>Class</u>	rience i compet ination to demo on the C nploym <u>Lab</u>	n a simula ent deliver and emplo constrate co Cosmetolo nent requir <u>Clinical</u>	tted salon s cy of all sa oyment. U ompetence gy Licensi ements. <u>ba</u> <u>Work Exp</u>	setting. lon services pon in program ng <u>ck to top</u> <u>c Credit</u>		

Prerequisites: None

Local Corequisites: Take COS-120;

Description: This course covers the concepts of esthetics. Topics include orientation, anatomy, physiology, hygiene, sterilization, first aid, chemistry, basic dermatology, and professional ethics. Upon completion, students should be able to demonstrate an understanding of the concepts of esthetics and meet course requirements.back to top

		Clas	<u>s Lab</u>	<u>Clinical</u>	Work Exp	<u>Credit</u>
COS-120	Esthetics Salon I	0	18	0	0	6

Prerequisites: None

Local Corequisites: Take COS-119;

This course covers the techniques of esthetics in a comprehensive experience Description: in a simulated salon setting. Topics include client consultation, facials, body treatments, hair removal, make-up applications, and color analysis. Upon completion, students should be able to safely and competently demonstrate esthetic services on clients in a salon setting. back to top

COS-121	Manicure / Nail Technology I

Class Lab Clinical Work Exp Credit 4 6 0

0 6

Prerequisites: None

Corequisites: None

This course covers techniques of nail technology, hand and arm surface Description: manipulation, and recognition of nail diseases and disorders. Topics include OSHA/safety, sanitation, bacteriology, product knowledge, salesmanship, manicures, artificial applications, pedicures, surface manipulation, and other related topics. Upon completion, students should be able to safely and competently perform nail care, including manicures, pedicures, surface manipulations, decorating and artificial applications in a salon setting.back to top

			Class	Lab	Clinical	Work Exp	Page 67 Credit
COS-125	Esthetics Con	cepts II	2	<u>1100</u>	0	<u>0</u>	2
	Local Prerequ	isites:		Tal	ke COS-11	19;	
	Local Corequ	isites: Take COS-126;					
	Description:	This course covers more nutrition, business manage completion, students sho advanced esthetics conce	comprehen gement, mai uld be able epts and mee	sive est keup, a to deme et cours	hetics con nd color an onstrate ar e requiren	icepts. Top nalysis. Up n understand nents. <u>back</u>	ics include oon ding of the <u>to top</u>
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	Credit
COS-126	Esthetics Salo	on II	0	18	0	0	6
	Local Prerequ	isites:		Tal	ke COS-12	20;	
	Local Corequ	isites: Take COS-125;					
		include machine facials, skin care, electricity, and able to demonstrate comp covered on the Cosmetol top	aromathera l apparatus. petence in p ogy licensii	py, surf Upon c rogram 1g exan	ace manip completion requirem nination fo	oulation in r n, students s ents and the or Estheticia	relation to should be e areas ans. <u>back to</u>
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	Credit
COS-222	Manicure/Nai	l Tech. II	4	6	0	0	6
	State Prerequisites: Take COS-121;						
	Corequisites:	None					
	Description:	This course covers advar surface manipulation. To customer service, salesm related topics. Upon com competence necessary fo care, artificial enhancem	nced technic opics include anship, arti- apletion, stu- or the licensi- ents, and de	ues of e OSHA ficial ap dents sl ing exa coratio	nail techno A/safety, p oplications hould be a mination, a ns. <u>back to</u>	ology and h product know s, nail art, and ble to demo including action	and and arm wledge, nd other onstrate dvanced nail

			Class	Lah	Clinical	Work Fr	rage u	
COS 253	Esthatics Inst	miotor Concents I	<u>C1855</u>	<u>Lau</u> 15	<u>Cinicai</u>		11	
03-235	State Dronogy	initial Take COS 271 COS	272.	15	0	0	11	
	State Prerequisites: Take COS-271, COS-272;							
	State Corequisites: Take COS-274;							
	Description:	include orientation, theorie laboratory management, st completion, students shoul instruct and objectively as setting. <u>back to top</u>	es of educ tudent asso ld be able sess stude	ation, u essment to demo nt perfo	nit plannin in a labor onstrate es ormance in	and skins ng, daily l ratory sett thetic ser a classro	s. Topics esson plans, ing. Upon vices and om	
			<u>Class</u>	Lab	<u>Clinical</u>	Work Ex	ap <u>Credit</u>	
COS-254	Esthetic Instr	uctor Concepts II	6	15	0	0	11	
	State Prerequ	isites: Take COS-271, COS-	-272;					
	State Corequisites: Take COS-274;							
	Description:	This course covers advance	ed estheti	c instru	ctional con	ncepts and	l skills. Topi	
	Description:	This course covers advance include practical demonstre development and administe other related topics. Upon competencies in the areas Examination and meet pro-	eed esthetic rations, les tration of a completic covered b ogram requ	c instru- sson pla assessm on, stude y the Es uiremen	ctional con nning, lec ent tools, r ents should sthetics Ins ts. <u>back to</u>	ncepts and ture techn record kee d be able structor L <u>top</u>	d skills. Topi liques, eping and to demonstra icensing	
	Description:	This course covers advance include practical demonstre development and administe other related topics. Upon competencies in the areas Examination and meet pro-	eed esthetic rations, less tration of a completic covered b ogram requ <u>Class</u>	c instru sson pla assessm on, stude y the Es iiremen <u>Lab</u>	ctional con nning, lec ent tools, r ents should sthetics Ins ts. <u>back to</u> <u>Clinical</u>	ncepts and ture techn record kee d be able structor L top <u>Work Ex</u>	d skills. Topi iques, eping and to demonstra icensing sp <u>Credit</u>	
COS-271	Description: Instructor Co	This course covers advance include practical demonstrative development and administe other related topics. Upon competencies in the areas Examination and meet pro-	eed esthetic rations, less tration of a completic covered b ogram requ <u>Class</u> 5	c instru sson pla assessm on, stude y the Es uiremen <u>Lab</u> 0	ctional con nning, lec ent tools, r ents should sthetics Ins ts. <u>back to</u> <u>Clinical</u> 0	ncepts and ture techn record kee d be able structor L top Work Ex 0	d skills. Topi iques, eping and to demonstra icensing <u>ep Credit</u> 5	
COS-271	Description: Instructor Co Prerequisites:	This course covers advance include practical demonstre development and administe other related topics. Upon competencies in the areas Examination and meet pro- ncepts I : None	eed esthetic rations, less tration of a completic covered b ogram requ <u>Class</u> 5	c instru- sson pla assessm on, stude y the Es uiremen <u>Lab</u> 0	ctional con nning, lec ent tools, r ents should sthetics Ins ts. <u>back to</u> <u>Clinical</u> 0	ncepts and ture techn record kee d be able structor L top <u>Work Ex</u> 0	d skills. Topi iiques, eping and to demonstra icensing <u>op Credit</u> 5	
COS-271	Description: Instructor Co Prerequisites: State Corequi	This course covers advance include practical demonstre development and administe other related topics. Upon competencies in the areas Examination and meet pro- ncepts I : None isites: Take COS-272;	eed esthetic rations, les tration of a completic covered b ogram requ <u>Class</u> 5	c instru- sson pla assessm on, stude y the Es tiremen <u>Lab</u> 0	ctional con nning, lec ent tools, r ents should sthetics Ins ts. <u>back to</u> <u>Clinical</u> 0	ture techn record kee d be able structor L top <u>Work Ex</u> 0	d skills. Topi iiques, eping and to demonstra icensing sp <u>Credit</u> 5	
COS-271	Description: Instructor Co Prerequisites: State Corequi Description:	This course covers advance include practical demonstre development and administ other related topics. Upon competencies in the areas Examination and meet pro- ncepts I : None isites: Take COS-272; This course introduces the include orientation, theorie planning, laboratory mana other related topics. Upon theories of education, deve techniques, and assess stud	ed esthetic rations, les tration of a completic covered b ogram requ <u>Class</u> 5 e basic cos es of educ agement, sin completi- elop lesson dent perfo	c instru- sson pla assessm on, stude y the Es iiremen <u>Lab</u> 0 metolog ation, u tudent a on, student a on, student a	ctional con nning, lec ent tools, r ents should sthetics Ins ts. <u>back to</u> <u>Clinical</u> 0 gy instruct nit plannin ssessment lents shoul demonstr in a classi	ional cone g, daily l c, record kee d be able structor L <u>top</u> <u>Work Ex</u> 0	d skills. Topi iiques, eping and to demonstra icensing 5 <u>5</u> cepts. Topic esson teeping, and to identify visory ng.	
COS-271 Local Des	Description: Instructor Co Prerequisites: State Corequi Description:	This course covers advance include practical demonstre development and administ other related topics. Upon competencies in the areas Examination and meet pro- ncepts I : None isites: Take COS-272; This course introduces the include orientation, theorie planning, laboratory mana other related topics. Upon theories of education, deve techniques, and assess stuc- netology Licenses and Six I	ed esthetic rations, les tration of a completic covered b ogram requ <u>Class</u> 5 5 e basic cos es of educ agement, su n completi- elop lesson dent perfo Months E	c instru- sson pla assessm on, stude y the Es- iiremen <u>Lab</u> 0 metolog ation, u tudent a on, student a on, student a con, student a con con con con con con con con con con	ctional con nning, lec ent tools, r ents should sthetics Ins ts. <u>back to</u> <u>Clinical</u> 0 gy instruct nit plannin essessment lents shoul demonstr in a classi nce as a L	ional cone g, daily 1 c, record kee d be able structor L <u>top</u> <u>Work Ex</u> 0 ional cone ng, daily 1 c, record k d be able ate superv coom setti	d skills. Topi iiques, eping and to demonstra icensing <u>5</u> <u>5</u> cepts. Topic esson teeping, and to identify /isory ng.	

			Class	Lab	<u>Clinical</u>	Work Ex	p Credit	
COS-272	Instructor Prac	cticum I	0	21	0	0	7	
	Prerequisites:	None						
	State Corequisites: Take COS-271;							
	Description:	This course covers super level cosmetology stude demonstrations of service Upon completion, stude instruct and objectively	ervisory and i ents in a labo ces, supervis ents should be assess the er	instruct ratory s ion, and e able to ntry-lev	ional skills setting. To d entry-lev o demonst el student.	s for teach opics inclu rel student rate salon	ing entry- de assessment services and	
Local Des	cription: Cosm	etology Licenses and Si	ix Months E	xperie	nce as a L	icensed C	osmetologi	
		back	<u>k to top</u>				~	
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Ex	<u>p</u> <u>Credit</u>	
	-	hoopta II	5	0	0	0	5	
COS-273	Instructor Cor		5					
COS-273	Instructor Cor State Prerequi	sites: Take COS-271, CC	DS-272;					
COS-273	Instructor Cor State Prerequi State Corequis Description:	sites: Take COS-271, CC sites: Take COS-274; This course covers the a	DS-272; advanced cos	metolo	gy instruct	tional cond	cepts. Topic	
COS-273	Instructor Cor State Prerequi State Corequis Description:	sites: Take COS-271, CC sites: Take COS-274; This course covers the a include practical demon development and admin other related topics. Up lesson plans, demonstra in a classroom setting, a	DS-272; advanced cos astrations, les astration of <i>a</i> bon completion ate supervision and keep accu	metolo son pla ssessm on, stuc on techn urate re	gy instruct nning, lec ent tools, r lents shoul iques, asse cords. <u>back</u>	tional cond ture techni record kee ld be able ess studen <u>c to top</u>	cepts. Topic iques, ping, and to develop t performan	
COS-273	Instructor Cor State Prerequi State Corequis Description:	sites: Take COS-271, CC sites: Take COS-274; This course covers the a include practical demon development and admin other related topics. Up lesson plans, demonstra in a classroom setting, a	DS-272; advanced cos astrations, les aistration of <i>a</i> bon completion and keep accu <u>Class</u>	metolo son pla ossessm on, stuc on techn urate re <u>Lab</u>	gy instruct nning, lec ent tools, r lents shoul iques, asse cords. <u>back</u> <u>Clinical</u>	tional cond ture techni record kee ld be able ess studen <u>k to top</u> <u>Work Ex</u>	cepts. Topic iques, ping, and to develop t performan <u>p Credit</u>	
COS-273	Instructor Cor State Prerequi State Corequis Description:	sites: Take COS-271, CC sites: Take COS-274; This course covers the a include practical demon development and admin other related topics. Up lesson plans, demonstra in a classroom setting, a	DS-272; advanced cos astrations, les histration of a bon completion the supervision and keep accu <u>Class</u> 0	metolo son pla on, stuc on techn urate re <u>Lab</u> 21	gy instruct nning, lec ent tools, r lents shoul iques, asso cords. <u>bach</u> <u>Clinical</u> 0	tional cond ture techni record kee ld be able ess studen <u>k to top</u> <u>Work Ex</u>	cepts. Topic iques, ping, and to develop t performan <u>p Credit</u> 7	
COS-273 COS-274	Instructor Cor State Prerequi State Corequis Description: Instructor Prace State Prerequi	sites: Take COS-271, CC sites: Take COS-274; This course covers the a include practical demon development and admin other related topics. Up lesson plans, demonstra in a classroom setting, a cticum II sites: Take COS-271, CC	DS-272; advanced cos astrations, les histration of a bon completion and keep accu <u>Class</u> 0 DS-272;	metolo son pla ossessm on, stuc on techn urate re <u>Lab</u> 21	gy instruct nning, lec ent tools, r lents shoul iques, asso cords. <u>back</u> <u>Clinical</u> 0	tional cond ture techni record kee ld be able ess studen <u>k to top</u> <u>Work Ex</u> 0	cepts. Topic iques, ping, and to develop t performan <u>p Credit</u> 7	
COS-273 COS-274	Instructor Cor State Prerequi State Corequis Description: Instructor Prac State Prerequi State Corequis	sites: Take COS-271, CC sites: Take COS-274; This course covers the a include practical demon development and admin other related topics. Up lesson plans, demonstra in a classroom setting, a cticum II sites: Take COS-271, CC sites: Take COS-273;	DS-272; advanced cos istrations, les istration of a pon completion and keep accu <u>Class</u> 0 DS-272;	metolo son pla ossessm on, stuc n techn urate re <u>Lab</u> 21	gy instruct nning, lec ent tools, r lents shoul iques, asso cords. <u>back</u> <u>Clinical</u> 0	tional cond ture techni record kee ld be able ess studen <u>k to top</u> <u>Work Ex</u> 0	cepts. Topic iques, ping, and to develop t performan <u>p Credit</u> 7	
COS-273 COS-274	Instructor Cor State Prerequi State Corequis Description: Instructor Prac State Prerequi State Corequis Description:	sites: Take COS-271, CC sites: Take COS-274; This course covers the a include practical demon development and admin other related topics. Up lesson plans, demonstra in a classroom setting, a cticum II sites: Take COS-271, CC sites: Take COS-273; This course is designed teaching advanced cosm include practical demon assessment. Upon comp competence in the areas meet program completio	DS-272; advanced cos istrations, les istration of a pon completion and keep accu <u>Class</u> 0 DS-272; to develop s netology stud istrations, sup pletion, stude s covered by on requireme	metolo son pla ossessm on stuc n techn urate re <u>Lab</u> 21 upervis lents in pervisic ents sho the Inst	gy instruct nning, lec ent tools, r lents shoul iques, asso cords. <u>back</u> <u>Clinical</u> 0 ory and in a laborato on, and adv ould be abl ructor Lic	tional cond ture techni record kee ld be able ess studen <u>c to top</u> <u>Work Ex</u> 0 structiona ory setting. vanced stu e to demo ensing Exa	cepts. Topic iques, ping, and to develop t performan <u>p Credit</u> 7 I skills for Topics dent nstrate amination a	

CRIMINAL JUSTICE (CJC)

			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>Credit</u>
CJC-110	Basic Law En	forcement Training	10	30	0	0	20
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course covers the basic employment as a law enforce those mandated by North C functioning in law enforcem to demonstrate competence certification examination.	e skills an cement of arolina A nent. Upo in the to	nd knov fficer ir adminis on comp pics req	vledge nee n North Ca tration Co pletion, the juired for t	eded for entry arolina. Topic ode as essenti e student sho the state com	y-level cs include al for ould be able oprehensive
		back to	<u>top</u>				
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>Credit</u>
CJC-111	Introduction to	o Criminal Justice	3	0	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course introduces the c system. Topics include hist criminal justice system and completion, students should components and their interre- top	component cory, struct their related be able elationsh	nts and cture, fu ationshi to defir ips and	processes unctions, a p to life in he and dese evaluate	of the crimin and philosoph our society. cribe the maj career option	nal justice hy of the Upon for system as. <u>back to</u>
			<u>Class</u>	Lab	Clinical	Work Exp	<u>Credit</u>
CJC-112	Criminology		3	0	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course introduces devi Topics include theories of c behavior; past, present, and topics. Upon completion, s various theories of crime ca <u>back to</u>	ant behaverime cau future so tudents s usation a top	vior as i sation; ocial co hould b and soci	it relates to statistical ntrol initia e able to e etal respo	o criminal ac analysis of c atives; and ot explain and d nse.	tivity. riminal her related liscuss

			Class	Lab	Clinical	Work Exp	Credit
CJC-113	Juvenile Justic	ce	3	0	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course covers the juv Topics include an overvie prevention programs, spec related topics. Upon com- juvenile court structure/pr agencies, processing/deter	venile justic w of the ju- cial areas a pletion, stu ocedures, i ntion of ju-	ce syste ivenile f nd laws idents s function veniles,	em and rela justice sys s unique to hould be a n and juris and case o	ated juvenil tem, treatm o juveniles, able to iden adiction of j disposition.	le issues. eent and and other tify/discus uvenile <u>back to top</u>
			<u>Class</u>	<u>Lab</u>	Clinical	Work Exp	Credit
CJC-120	Interviews/	errogations	1	2	0	0	2
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course covers basic a interviews and interrogation interview/interrogation pro- physical behavior and lega be able to conduct intervie professional manner and o victims <u>back to top</u>	and special ons. Emph ocess, incl al perspect ews/interro obtain the t	technic asis is p uding in ives. U ogations ruth fro	ques emplo placed on t nterpretation pon comp in a legal pom suspect	oyed in crir the on of verba letion, stude , efficient, a ts, witnesse	ninal justic l and ents should and s, and
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	Credit
CJC-121	Law Enforcen	nent Operations	3	0	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course introduces fur include the contemporary related issues. Upon com- practices, and issues related	ndamental evolution pletion, stu ed to law e	law enf of law e idents s nforcen	Forcement enforceme should be a nent opera	operations. ent operation able to expl ations. <u>back</u>	Topics ns and ain theorie <u>to top</u>

			Class	Lah	Clinical	Work Fy	Page 7
CIC-122			3	<u>Lao</u> 0	<u>ennicar</u>	0	<u>p crean</u> 3
0.00 122	Prerequisites	None	5	0	0	0	5
	Corequisites:	None					
	Description:	This course covers the histo community policing. Emph the community to find solut completion, students should how community policing st policing to traditional polici	orical, ph asis is pl ions to p l be able rategies ing. <u>back</u>	ilosophi aced on roblems to defin solve pr <u>to top</u>	ical, and p the empo s by formi te commun oblems, an	oractical di werment o ng partner nity polici nd compar	mensions of of police and rships. Upon ng, describe re community
			Class	<u>Lab</u>	<u>Clinical</u>	Work Ex	p Credit
CJC-131	Criminal Law		3	0	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
		classification of crimes, par criminal responsibility, and should be able to discuss th	ties to cr other rel	ime, ele ated top	e sources of ements of o	crimes, main complet	atters of ion, students
		the appropriate statutes/eler	nents.	s of faw	and ident	ify, interp	ret, and apply
		the appropriate statutes/eler	nents. top	or law	and ident	ity, interp	ret, and apply
		the appropriate statutes/eler back to	nents. top <u>Class</u>	Lab	and identi	<u>Work Ex</u>	ret, and apply p <u>Credit</u>
CJC-132	Court Procedu	the appropriate statutes/eler <u>back to</u> ares and Evidence	nents. top <u>Class</u> 3	<u>Lab</u> 0	<u>Clinical</u>	<u>Work Ex</u> 0	ret, and apply <u>p Credit</u> 3
CJC-132	Court Procedu Prerequisites:	the appropriate statutes/eler <u>back to</u> ares and Evidence None	nents. top <u>Class</u> 3	<u>Lab</u> 0	<u>Clinical</u> 0	<u>Work Ex</u> 0	ret, and appl <u>y</u> <u>p Credit</u> 3
CJC-132	Court Procedu Prerequisites: Corequisites:	the appropriate statutes/eler <u>back to</u> ares and Evidence None None	nents. top <u>Class</u> 3	<u>Lab</u> 0	<u>Clinical</u> 0	<u>Work Ex</u> 0	ret, and apply <u>p Credit</u> 3
CJC-132	Court Procedu Prerequisites: Corequisites: Description:	the appropriate statutes/eler <u>back to</u> mes and Evidence None None This course covers judicial disposition, kinds and degre admissibility of evidence in federal courts, arrest, search rules of evidence, and other be able to identify and discu arrest / search, proper judici	nents. top <u>Class</u> 3 structure ees of evi court. T and seiz related i uss proce	<u>Lab</u> 0 /process idence, a Topics in zure law ssues. U dures n dures, a	and identi <u>Clinical</u> 0 s/procedur and the ru nclude cor /s, exclusi Jpon comp ecessary to nd the adr	Work Ex 0 efform ind les govern nsideration onary and pletion, str o establish nissibility	ret, and apply <u>p Credit</u> 3 cident to ing n of state and statutory udents should n a lawful of evidence.
CJC-132	Court Procedu Prerequisites: Corequisites: Description:	the appropriate statutes/eler <u>back to</u> mes and Evidence None None This course covers judicial disposition, kinds and degre admissibility of evidence in federal courts, arrest, search rules of evidence, and other be able to identify and discu arrest / search, proper judici	nents. top <u>Class</u> 3 structure ces of evi court. T and seiz related i uss proce ial proce	Lab 0 /process idence, a Topics in zure law ssues. U dures n dures, a	and ident: <u>Clinical</u> 0 s/procedur and the ru nclude cor /s, exclusi Jpon comp ecessary to nd the adr	Work Ex 0 re from ind les govern nsideration onary and pletion, str o establish nissibility	ret, and apply p <u>Credit</u> 3 cident to ing n of state and statutory udents should n a lawful of evidence.
			<u>Class</u>	<u>Lab</u>	Clinical	Work Exp	<u>Credit</u>
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CJC-141	Corrections		3	0	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course covers the hist practices and problems of the evolution, functions of the treatment programs, inmate completion, students shoul processes, and functions of	ory, majo the field o various c e control, d be able f the corre	r philos of correct ompone and oth to expla ectional	sophies, co ctions. To ents, alterr her related ain the van system.	omponents, pics includ natives to ir topics. Up ious compo	and current e historica incarceration pon ponents,
		back to	o top				
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>Credit</u>
CJC-212	Ethics and Co	mmunity Relations	3	0	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	Description.		constacta	uons a	iu accepie	u standarus	application
		to criminal justice organiza systems; social change, val involvement in criminal ju completion, students shoul decision-making process in	ations and lues, and m stice issue d be able n identifia	profest norms; es; and to apply ble crir	sionals. T cultural di other relat y ethical c ninal justic	opics inclu versity; cit ed topics. onsideratio ce situation	de ethical izen Upon ns to the s.
		to criminal justice organiza systems; social change, val involvement in criminal ju completion, students shoul decision-making process in <u>back to</u>	ations and lues, and stice issue d be able n identifia	profession norms; es; and to apply ble crim	sionals. T cultural di other relat y ethical c ninal justic	opics inclu versity; cit ed topics. onsideratio ce situation	de ethical izen Upon ns to the s.
		to criminal justice organiza systems; social change, val involvement in criminal ju completion, students shoul decision-making process in <u>back to</u>	ations and lues, and stice issue d be able n identifia <u>o top</u> <u>Class</u>	profess norms; es; and to apply ble crin	sionals. T cultural di other relat y ethical c ninal justic <u>Clinical</u>	opics inclu versity; cit ed topics. onsideratio ce situation <u>Work Exp</u>	de ethical izen Upon ns to the s.
CJC-221	Investigative I	to criminal justice organiza systems; social change, val involvement in criminal ju completion, students shoul decision-making process in <u>back to</u> Principles	ations and lues, and stice issue d be able n identifia <u>o top</u> <u>Class</u> 3	profess norms; es; and to apply ble crin <u>Lab</u> 2	sionals. T cultural di other relat y ethical c ninal justic <u>Clinical</u> 0	opics inclu versity; cit ed topics. onsideratio ce situation <u>Work Exp</u> 0	de ethical izen Upon ns to the is. <u>e Credit</u> 4
CJC-221	Investigative I Prerequisites:	to criminal justice organiza systems; social change, val involvement in criminal ju completion, students shoul decision-making process in <u>back to</u> Principles None	ations and lues, and stice issue d be able n identifia <u>o top</u> <u>Class</u> 3	profess norms; es; and to apply ble crir <u>Lab</u> 2	sionals. T cultural di other relat y ethical c ninal justic <u>Clinical</u> 0	opics inclu versity; cit ed topics. onsideratio ce situation <u>Work Exp</u> 0	de ethical izen Upon ns to the s. <u>e Credit</u> 4
CJC-221	Investigative I Prerequisites: Corequisites:	to criminal justice organiza systems; social change, val involvement in criminal ju completion, students shoul decision-making process in <u>back to</u> Principles None None	ations and lues, and stice issue d be able n identifia <u>o top</u> <u>Class</u> 3	profession norms; es; and to apply ble crin <u>Lab</u> 2	sionals. T cultural di other relat y ethical c ninal justic <u>Clinical</u> 0	opics inclu versity; cit ed topics. onsideratio ce situation <u>Work Exp</u> 0	de ethical izen Upon ns to the s. <u>c Credit</u> 4

			Class	Lab	Clinical	Work Exp	Credit
CJC-222	Criminalistics		3	0	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course covers the funct relationship to successful cr include advanced crime scen forensic technologies, and of should be able to identify an scenes and request appropri- evidence. <u>back to top</u>	tions of t iminal ir ne proces other rela nd collec ate labor	he foren ivestiga ssing, in ted topi t releva atory an	nsic labora tions and nvestigativ cs. Upon o nt evidence nalysis of	atory and its prosecution ve technique completion, ce at simular submitted	s. Topics es, current students ted crime
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>Credit</u>
CJC-225	Crisis Interver	ition	3	0	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course introduces critic techniques as they apply to Emphasis is placed on the y	cal incide operation ictim/off	ent inter nal crim Sender s	vention and inal justic	nd managen re practition	nent ers.
		high stress, dangerous, or pr completion, students should emotional, violent, drug-ind that require field analysis ar	roblem-s l be able luced, an nd/or reso	olving of to prov d other plution.	citizen cor ide insight critical an back to to	tacts. Upor tful analysis d/or stressf	o-related a s of ul incidents
		high stress, dangerous, or pr completion, students should emotional, violent, drug-ind that require field analysis ar	roblem-s l be able luced, an nd/or reso <u>Class</u>	olving o to prov d other olution. <u>Lab</u>	citizen cor ide insight critical an <u>back to to</u> <u>Clinical</u>	tacts. Upor tful analysis d/or stressf <u>p</u> <u>Work Exp</u>	o-related of ul incidents <u>Credit</u>
CJC-231	Constitutional	high stress, dangerous, or pr completion, students should emotional, violent, drug-ind that require field analysis ar Law	roblem-s l be able luced, an nd/or reso <u>Class</u> 3	olving o to prov d other olution. <u>Lab</u> 0	citizen cor ide insight critical an <u>back to to</u> <u>Clinical</u> 0	tacts. Upor tful analysis d/or stressf <u>P</u> <u>Work Exp</u> 0	p-related s of ul incidents <u>Credit</u> 3
CJC-231	Constitutional Prerequisites:	high stress, dangerous, or pr completion, students should emotional, violent, drug-ind that require field analysis ar Law None	roblem-s l be able luced, an nd/or reso <u>Class</u> 3	olving o to prov d other olution. <u>Lab</u> 0	ituation as citizen cor ide insight critical an <u>back to to</u> <u>Clinical</u> 0	tacts. Upor tful analysis d/or stressf <u>p</u> <u>Work Exp</u> 0	p-related s of ul incidents <u>Credit</u> 3
CJC-231	Constitutional Prerequisites: Corequisites:	high stress, dangerous, or pr completion, students should emotional, violent, drug-ind that require field analysis ar Law None None	roblem-s l be able luced, an nd/or reso <u>Class</u> 3	olving of to prov d other olution. <u>Lab</u> 0	ituation as citizen cor ide insight critical an <u>back to to</u> <u>Clinical</u> 0	tacts. Upor tful analysis d/or stressf <u>p</u> <u>Work Exp</u> 0	o-related s of ul incidents <u>Credit</u> 3

			<u>Class</u>	<u>Lab</u>	Clinical	Work Ex	p <u>Credit</u>
CJC-232	Civil Liability		3	0	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course covers liability Topics include civil rights other related topics. Upon civil trial procedures and d	v issues fo violations completi- liscuss con	or the cr s, tort li on, stuc ntempo	iminal jus ability, en lents shou rary liabili	tice profes pployment ld be able ity issues.	sional. issues, and to explain
		back to	<u>top</u>				
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Ex	p <u>Credit</u>
CJC-241	Community-B	ased Corrections	3	0	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
		other related topics. Upon identify/discuss the various justice professional, the off	iding both completi s program fender, an <u>o top</u>	public on, stuc s from d the co	and priva lent should the perspe ommunity	te participa d be able to ective of th	ation, and o e criminal
		other related topics. Upon identify/discuss the various justice professional, the off <u>back to</u> CULINAR	iding both completions s program fender, an <u>o top</u> Y (CUL	public on, stuc is from id the co	and priva lent should the perspe	te participa d be able to ective of th	ation, and o e criminal
		other related topics. Upon identify/discuss the various justice professional, the off <u>back to</u> CULINAR	iding both completi s program fender, an <u>o top</u> Y (CUL Class	() Lab	and priva lent should the perspe ommunity Clinical	te participa d be able to ective of th Work Ex	ation, and o e criminal p Credit
CUL-110	Sanitation and	other related topics. Upon identify/discuss the various justice professional, the off <u>back to</u> CULINAR	iding both completions s program fender, an <u>o top</u> Y (CUL <u>Class</u> 2	() public on, stuc is from d the co d the co <u>Lab</u> 0	and priva lent should the perspe ommunity <u>Clinical</u> 0	te participa d be able to ective of th <u>Work Ex</u> 0	ation, and o e criminal <u>p Credit</u> 2
CUL-110	Sanitation and Prerequisites:	other related topics. Upon identify/discuss the various justice professional, the off <u>back to</u> CULINAR	iding both completions fender, and top Y (CUL <u>Class</u> 2	(public on, stuc is from d the co () <u>Lab</u> 0	and priva lent should the perspe ommunity <u>Clinical</u> 0	te participa d be able to ective of th <u>Work Ex</u> 0	ation, and o e criminal <u>p Credit</u> 2
CUL-110	Sanitation and Prerequisites: Corequisites:	other related topics. Upon identify/discuss the various justice professional, the off back to CULINAR	iding both completions fender, and top Y (CUL <u>Class</u> 2	() () () () () () () () () () () () () (and priva lent should the perspe ommunity <u>Clinical</u> 0	te participa d be able to ective of th <u>Work Ex</u> 0	ation, and o e criminal <u>p Credit</u> 2

			Class	Lab	<u>Clinical</u>	Work Exp	p Credit
CUL-112	Nutrition for F	Foodservice	3	0	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course covers the prin foodservice industry. Topi management, exercise, nut health cooking techniques a Upon completion, students to food preparation and sele	ciples of cs include itional ac and marke should be ection. <u>bac</u>	nutritio e person laption eting nu e able to ck to to	n and its r nal nutritio / analysis utrition in o apply ba p	elationship on fundam of recipes a foodserv sic nutritic	p to the entals, weig / menus, rice operational concept
			<u>Class</u>	Lab	Clinical	Work Exp	p <u>Credit</u>
CUL-120	Purchasing		2	0	0	0	2
	Prerequisites:	None					
	Corequisites:	None					
		placed on yield tests, procu	rement, r	negotiat	ion, inven	tory contro	ol, product
		specification, purchasing et specifications, and software be able to apply effective p product.	hics, ven e applicat urchasing	dor rela ions. U g techni	ationships, Jpon comp ques based	food prod bletion, stu d on the en	luct Idents shoul Id-use of the
		specification, purchasing et specifications, and software be able to apply effective p product. <u>back to</u>	hics, ven e applicat urchasing <u>top</u>	dor rela ions. U g techni	ationships, Jpon comp ques based	food prod bletion, stu d on the en	luct Idents shoul Id-use of the
		specification, purchasing et specifications, and software be able to apply effective p product. <u>back to</u>	hics, ven e applicat urchasing <u>top</u> <u>Class</u>	dor rela ions. U g techni <u>Lab</u>	ationships, Jpon comp ques based <u>Clinical</u>	food prod bletion, stu d on the er <u>Work Ex</u> p	luct Idents shoul Ind-use of the <u>p Credit</u>
CUL-130	Menu Design	specification, purchasing et specifications, and softward be able to apply effective p product. <u>back to</u>	hics, ven e applicat urchasing <u>top</u> <u>Class</u> 2	dor rela ions. U g techni <u>Lab</u> 0	ationships, Jpon comp ques based <u>Clinical</u> 0	food prod bletion, stu d on the en <u>Work Exp</u> 0	luct Idents shoul Ind-use of the <u>p Credit</u> 2
CUL-130	Menu Design Prerequisites:	specification, purchasing et specifications, and softward be able to apply effective p product. <u>back to</u> None	hics, ven e applicat urchasing <u>top</u> <u>Class</u> 2	dor rela ions. U g techni <u>Lab</u> 0	ationships, Jpon comp ques based <u>Clinical</u> 0	food prod oletion, stu d on the en <u>Work Ex</u> 0	luct Idents shoul Id-use of the <u>p Credit</u> 2
CUL-130	Menu Design Prerequisites: Corequisites:	specification, purchasing et specifications, and softward be able to apply effective p product. <u>back to</u> None None	hics, ven e applicat urchasing <u>top</u> <u>Class</u> 2	dor rela ions. U g techni <u>Lab</u> 0	ationships, Jpon comp ques based <u>Clinical</u> 0	food prod bletion, stu d on the en <u>Work Exp</u> 0	luct idents shoul id-use of the <u>p Credit</u> 2

			Class	Lab	Clinical	Work Exp	Credit
CUL-135	Food and Bev	erage Service	2	0	0	0	2
	Prerequisites:	None					
	Local Corequi	isites: Take CUL-135A					
	Description:	This course is designed to for effective food and beve include greeting/service of sales and merchandising, s students should be able to the skills required in the se	cover the erage serv f guests, d service sty demonstra ervice of f	practication ice in a ining root in a ining root in a straight for	al skills an variety of oom set-up reservatio petence in d beverag	nd knowledg settings. T o, profitabili ons. Upon c human rela es.	ge necessa 'opics ty, menu completion ations and
		back to	o top				
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>Credit</u>
CUL-135A	A Food and Bev	erage Service Lab	0	2	0	0	1
	Prerequisites:	None					
	State Corequi	sites: Take CUL-135;					
	Description:	This course provides a lab	oratory ex	perienc	e for enha	incing stude	ent skills i
	Description:	This course provides a lab effective food and beverage experiences including gree profitability, menu sales an Upon completion, students applications of human rela- and beverages.	oratory ex ge service. eting/servi nd mercha s should b ations and	perienc Emph ce of gu ndising e able to the skil	e for enha asis is plac uests, dinin s, service s o demonst ls requirec	ancing stude ced on pract ng room set styles and re rate practica d in the serv	ent skills in tical -up, eservations al rice of foo
	Description:	This course provides a lab effective food and beverage experiences including gree profitability, menu sales an Upon completion, students applications of human relat and beverages.	oratory ex ge service. eting/servi nd mercha s should b ttions and	perienc Emph ce of gu ndising e able to the skil	e for enha asis is plac uests, dinin s, service s o demonst ls requirec	ancing stude ced on pract ng room set styles and re rate practica d in the serv	ent skills in tical -up, eservations al rice of foo
	Description:	This course provides a lab effective food and beverag experiences including gree profitability, menu sales at Upon completion, students applications of human rela and beverages.	oratory ex ge service. eting/servi nd mercha s should b tions and <u>o top</u> <u>Class</u>	perienc Emph ce of gu ndising e able to the skil	e for enha asis is plac lests, dinin s, service s o demonst ls required <u>Clinical</u>	incing stude ced on pract ng room set ityles and re rate practica d in the serv	ent skills in tical -up, eservations al tice of foo
CUL-140	Description: Culinary Skill	This course provides a lab effective food and beverag experiences including gree profitability, menu sales at Upon completion, students applications of human rela and beverages. <u>back te</u> s I	oratory ex ge service. eting/servi nd mercha s should b tions and <u>o top</u> <u>Class</u> 2	Emph Emph ce of gu indising e able to the skil <u>Lab</u> 6	e for enha asis is plac uests, dinin g, service s o demonst ls required <u>Clinical</u> 0	ancing stude ced on pract ng room set styles and re rate practics d in the serv <u>Work Exp</u> 0	ent skills in tical -up, eservations al tice of foo <u>Credit</u> 5
CUL-140	Description: Culinary Skill Prerequisites:	This course provides a lab effective food and beverage experiences including gree profitability, menu sales an Upon completion, students applications of human relat and beverages. <u>back te</u> s I None	oratory ex ge service. eting/servi nd mercha s should b ations and <u>o top</u> <u>Class</u> 2	Emph Emph ce of gu indising e able to the skil <u>Lab</u> 6	ee for enha asis is plac uests, dinin g, service s o demonst ls required <u>Clinical</u> 0	incing stude ced on pract ng room set styles and re rate practica d in the serv <u>Work Exp</u> 0	ent skills in tical -up, eservations al rice of foo <u>Credit</u> 5
CUL-140	Description: Culinary Skill Prerequisites: State Corequi	This course provides a lab effective food and beverage experiences including gree profitability, menu sales an Upon completion, students applications of human relat and beverages. <u>back to</u> s I None sites: Take CUL-110;	oratory ex ge service. eting/servi nd mercha s should b ations and <u>o top</u> <u>Class</u> 2	perienc Emph ce of gu ndising e able to the skil <u>Lab</u> 6	e for enha asis is plac lests, dinin s, service s o demonst ls required <u>Clinical</u> 0	incing stude ced on pract ng room set styles and re rate practica d in the serv <u>Work Exp</u> 0	ent skills in tical -up, eservations al tice of foo <u>Credit</u> 5

						P a g e	78
		<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Ex	<u>p</u> <u>Credit</u>	
CUL-142	Fundamentals of Food	2	6	0	0	5	
	Prerequisites: None						

State Corequisites: Take CUL-110;

Description: This course introduces the student to the basic principles of cooking, baking and kitchen operations. Topics include preparation methods for protein, starch, vegetable/fruit identification/selection, storage; breakfast cookery, breads, sweet dough/pastries, basic fabrication, knife skills, and mise en place. Upon completion, students should be able execute efficiently a broad range of basic cooking/baking skills as they apply to different stations in foodservice operations.

back to top

		<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	Credit
CUL-160	Baking I	1	4	0	0	3

Prerequisites: None

State Corequisites: Take CUL-110;

Description: This course covers basic ingredients, techniques, weights and measures, baking terminology and formula calculations. Topics include yeast/chemically leavened products, laminated doughs, pastry dough batter, pies/tarts, meringue, custard, cakes and cookies, icings, glazes and basic sauces. Upon completion, students should be able to demonstrate proper scaling and measurement techniques, and prepare and evaluate a variety of bakery products.

back to top

		<u>Cla</u>	<u>lss</u> <u>La</u>	<u>b</u> <u>Clinical</u>	Work Exp	<u>Credit</u>
CUL-170	Garde Manger I	1	4	0	0	3

Prerequisites: None

State Corequisites: Take CUL-110;

Description: This course introduces basic cold food preparation techniques and pantry production. Topics include salads, sandwiches, appetizers, dressings, basic garnishes, cheeses, cold sauces, and related food items. Upon completion, students should be able to present a cold food display and exhibit an understanding of the cold kitchen and its related terminology.back to top

			Class	Lab	Clinical	Work Em	Page		
	01110				Clinical	work Ex	<u>p</u> <u>Credit</u>		
CUL-230	Global Cuisin	es	1	8	0	0	5		
	State Prerequi	sites: Take CUL-110, CU	L-140;						
	Corequisites:	None							
	Description:	This course provides prac presentation of represent Emphasis is placed on in concerns, and cooking te to research and execute a top	ctical exper ative foods digenous in chniques. U variety of i	ience ir from a gredier Jpon co internat	the plann variety of ots and cus ompletion, ional and	ing, prepa world cuis toms, nutr students s domestic r	ration, and sines. itional hould be at nenus. <u>back</u>		
			<u>Class</u>	<u>Lab</u>	Clinical	Work Exp	p Credit		
CUL-240	Culinary Skill	s II	1	8	0	0	5		
	State Prerequi	sites: Take One Set;							
		Set 1: CUL-110 and	d CUL-140;						
	Set 2: CUL-110, CUL-142, and CUL-170;								
	Corequisites:	None							
	Description:	This course is designed to concepts, skills, and tech placed on meat identificat techniques/methods; app compound sauces; plate p preparation. Upon compl successfully serve entree	o further stu niques invo ation/fabrica ropriate veg presentation letion, stude s with comp	idents' l lved in ation, bu getable/ a; break ents sho plement	knowledge basic cool utchery an starch acco fast cooke ould be ablo tary side it	e of the fur kery. Emp d cooking ompanime ry; and qu e to plan, e ems.	ndamental hasis is nts; antity food execute, and		
		<u>back</u>	<u>to top</u>						
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>p</u> Credit		
CUL-250	Classical Cuis	ine	1	8	0	0	5		
	State Prerequi	sites: Take CUL-110, CU	L-140, CUI	240;					
	Corequisites:	None							
	Description:	This course is designed to include the working Gran classical banquets. Upor competence in food prep	o reinforce nd Brigade n completion aration in a	the clas of the k n, stude classic	ssical culin itchen, sig ents should al/upscale	nary kitche gnature dis l be able to restaurant	n. Topics hes and demonstration or banquet		

			Class	Lab	Clinical	Work Exp	Page 80 Credit
CUL-270	Garde Manger	r II	1	4	0	0	3
	State Prerequi	sites: Take CUL-110, CUL-	140, CUI	170;			
	Corequisites:	None	,	,			
	Description:	This course is designed to f preparation techniques and galantines, decorative garni canapés, hors d'oeuvres, an should be able to design, se include a cold buffet with a	Further stup pantry pro- shing skind related at up, and appropriat	idents' oductio lls, carv food it evaluat e show	knowledg on. Topics ving, chard ems. Upo te a caterin pieces. <u>bac</u>	e in basic c s include pá cuterie, smo n completiong/event dis ck to top	old food àtés, terrines, oking, on, students splay to
		CYBER CRIME TEC	HNOL	OGY ((CCT)		
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>Credit</u>
CCT-110	Intro to Cyber	Crime	3	0	0	0	3
	State Prerequi	isites: None					
	Corequisites: Description:	None This course introduces and	explains	the vari	ious types	of offenses	s that qualify
	Corequisites: Description:	None This course introduces and as cyber crime activity. Em activity and the response to domains. Upon completion and define cyber crime acti with the problem. <u>back to to</u>	explains phasis is these pro , students vities anc pp	the vari placed oblems should l select	ious types on identif from both l be able to an approp	of offenses ying cyber the private accurately priate respon	s that qualify crime and public describe nse to deal
	Corequisites: Description:	None This course introduces and as cyber crime activity. Em activity and the response to domains. Upon completion and define cyber crime acti with the problem. <u>back to to</u>	explains phasis is these pro , students vities and pp <u>Class</u>	the vari placed oblems should l select <u>Lab</u>	ious types on identif from both l be able to an approp <u>Clinical</u>	of offenses ying cyber the private accurately priate respon	s that qualify crime and public describe nse to deal
CCT-112	Corequisites: Description: Ethics & High	None This course introduces and as cyber crime activity. Em activity and the response to domains. Upon completion and define cyber crime acti with the problem. <u>back to to</u>	explains phasis is these pro , students vities and <u>p</u> <u>Class</u> 3	the vari placed oblems should l select <u>Lab</u> 0	ious types on identif from both l be able to an approp <u>Clinical</u> 0	of offenses ying cyber the private accurately riate respon <u>Work Exp</u> 0	s that qualify crime and public describe nse to deal <u>c Credit</u> 3
CCT-112	Corequisites: Description: Ethics & High State Prerequi	None This course introduces and as cyber crime activity. Em activity and the response to domains. Upon completion and define cyber crime acti with the problem. <u>back to to</u> n Technology	explains phasis is these pro , students vities and <u>op</u> <u>Class</u> 3	the vari placed oblems should l select <u>Lab</u> 0	ious types on identif from both l be able to an approp <u>Clinical</u> 0	of offenses ying cyber the private accurately riate respon <u>Work Exp</u> 0	s that qualify crime and public describe nse to deal <u>c Credit</u> 3
CCT-112	Corequisites: Description: Ethics & High State Prerequi Corequisites:	None This course introduces and as cyber crime activity. Em activity and the response to domains. Upon completion and define cyber crime acti with the problem. <u>back to to</u> n Technology asites: None	explains phasis is these pro , students vities and <u>op</u> <u>Class</u> 3	the vari placed oblems should l select <u>Lab</u> 0	ious types on identif from both l be able to an approp <u>Clinical</u> 0	of offenses ying cyber the private accurately riate respon <u>Work Exp</u> 0	s that qualify crime and public describe nse to deal <u>Credit</u> 3
CCT-112	Corequisites: Description: Ethics & High State Prerequi Corequisites: Description:	None This course introduces and as cyber crime activity. Em- activity and the response to domains. Upon completion and define cyber crime acti- with the problem. <u>back to to</u> Technology isites: None This course covers ethical of applicable to technological relative to the cyber crime if investigative activities, end massive personal database Upon completion, students systems and apply ethical of investigations. <u>back to top</u>	explains phasis is these pro- students vities and p <u>Class</u> 3 <u>considera</u> investigat -justifyin informati should be onsiderat	the vari placed oblems should l select <u>Lab</u> 0 tions ar tions ar or. Top g-the-n on gath e able to ions in	ious types on identif from both l be able to an approp <u>Clinical</u> 0 nd accepte nd comput pics includ neans issue ered by go o examine identifiab	of offenses ying cyber the private o accurately riate respon <u>Work Exp</u> 0 d standard ter privacy e illegal an es, and privovernmenta their own le cyber cri	s that qualify crime and public describe nse to deal <u>c Credit</u> 3 <u>practices</u> issues d unethical vacy issues of al sources. value me
CCT-112	Corequisites: Description: Ethics & High State Prerequi Corequisites: Description:	None This course introduces and as cyber crime activity. Em- activity and the response to domains. Upon completion and define cyber crime acti- with the problem. <u>back to to</u> and the problem. <u>back to to</u> Technology isites: None This course covers ethical of applicable to technological relative to the cyber crime if investigative activities, end massive personal database if Upon completion, students systems and apply ethical of investigations. <u>back to top</u>	explains phasis is these pro students vities and p <u>Class</u> 3 considera investigat justifyin informati should be onsiderat	the vari placed oblems should l select <u>Lab</u> 0 tions an or. Top g-the-n on gath e able to ions in <u>Lab</u>	ious types on identif from both l be able to an approp <u>Clinical</u> 0 nd accepte nd comput pics includ neans issue ered by go o examine identifiab	of offenses ying cyber the private o accurately riate respon <u>Work Exp</u> 0 d standard ter privacy e illegal an es, and privovernmenta their own le cyber cri <u>Work Exp</u>	s that qualify crime and public describe nse to deal <u>c Credit</u> 3 practices issues d unethical vacy issues of al sources. value me

State Prerequisites:

Corequisites: None

Description: This course introduces the fundamental principles of computer crime investigation processes. Topics include crime scene/incident processing, information gathering techniques, data retrieval, collection and preservation of evidence, preparation of reports and court presentations. Upon completion, students should be able to identify cyber crime activity and demonstrate proper investigative techniques to process the scene and assist in case prosecution.<u>back to top</u>

		<u>Class</u>	Lab	<u>Clinical</u>	Work Exp	Credit
CCT-220	Forensic Accounting	3	3	0	0	4

State Prerequisites:

Corequisites: None

Description: This course introduces the basic principles and procedures of investigative accounting and anyalysis of financial evidence. Emphasis is placed on collecting data and evidence, evaluation of internal control systems, accounting systems, concealed income analysis and fraud detection. Upon completion, students should be able to apply generally accepted accounting standards and procedures for conducting a criminal investigation audit for financial information.<u>back to top</u>

		<u>Cla</u>	<u>ss</u> <u>Lab</u>	<u>Clinical</u>	Work Ex	<u>p</u> <u>Credit</u>
CCT-231	Technology Crimes & Law	3	0	0	0	3

State Prerequisites:

Corequisites: None

Description: This course covers the applicable technological laws dealing with the regulation of cyber security and criminal activity. Topics include an examination of state, federal and international laws regarding cyber crime with an emphasis on both general and North Carolina statutes. Upon completion, students should be able to identify the elements of cyber crime activity and discuss the trends of evolving laws.<u>back to top</u>

			Class	Lab	Clinical	Work Exp	Credit
CCT-240	Data Recovery	y Techniques	2	3	0	0	3
	State Prerequi	sites:					
	Corequisites:	None					
	Description:	This course introduces the assist in the investigation a hardware and software issu encryption, advanced imag considerations. Upon comp evidence, extract information criminal evidence. <u>back to t</u>	unique sk nd prosec les, recov ing, trans bletion, st on for cri	cills and cution o ering er ient dat udents s minal in	l methodo f cyber cri ased files a, Internet should be nvestigatio	logies neces imes. Topic , overcomin t issues and able to reco on and legal	ssary to es include ng testimony over digital lly seize
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	Credit
CCT-241	Advanced Dat	a Recovery	2	3	0	0	3
	State Prerequi	a : taa.					
	State I felequi	sites:					
	Corequisites:	None	.1			, .	1
	Corequisites: Description:	None This course further explore investigation and analysis of open-source software tools recovery, and encryption. Uperform the data recovery a investigation. <u>back to top</u>	es the met of cyber c for work Jpon com and analy	hodolog rimes. 7 ing with pletion sis for a	gies neces Topics inc h evidence , students h complete	sary to assis lude comm e acquisition should be a e criminal o	st in the ercial and n, data able to r corporate
	Corequisites: Description:	None This course further explore investigation and analysis of open-source software tools recovery, and encryption. U perform the data recovery a investigation. <u>back to top</u>	ts the met of cyber c for work Jpon com and analy <u>Class</u>	hodolog primes. 7 ing with pletion sis for a <u>Lab</u>	gies neces Topics inc h evidence , students h complete <u>Clinical</u>	sary to assis lude comm e acquisition should be a e criminal o <u>Work Exp</u>	st in the ercial and n, data able to r corporate <u>Credit</u>
CCT-250	Corequisites: Description: Network Vuln	None This course further explore investigation and analysis of open-source software tools recovery, and encryption. U perform the data recovery a investigation. <u>back to top</u>	ts the met of cyber c for work Jpon com and analy <u>Class</u> 2	hodolog rimes. ⁷ ing with ppletion sis for a <u>Lab</u> 2	gies neces Fopics inc h evidence , students a complete <u>Clinical</u> 0	sary to assis lude comm e acquisition should be a e criminal o <u>Work Exp</u> 0	st in the hercial and n, data able to r corporate <u>c Credit</u> 3
CCT-250	Corequisites: Description: Network Vuln State Prerequi	None This course further explore investigation and analysis of open-source software tools recovery, and encryption. U perform the data recovery a investigation. <u>back to top</u>	es the met of cyber c for work Jpon com and analy <u>Class</u> 2	hodolog rimes. ⁷ ing with ppletion sis for a <u>Lab</u> 2	gies neces Fopics inc h evidence , students a complete <u>Clinical</u> 0	sary to assis lude comm e acquisition should be a e criminal o <u>Work Exp</u> 0	st in the hercial and n, data uble to r corporate <u>c Credit</u> 3
CCT-250	Corequisites: Description: Network Vuln State Prerequi Corequisites:	None This course further explore investigation and analysis of open-source software tools recovery, and encryption. U perform the data recovery a investigation. <u>back to top</u> merabilities sites: None	es the met of cyber c for work Jpon com and analy <u>Class</u> 2	hodolog rimes. ⁷ ing with pletion sis for a <u>Lab</u> 2	gies neces Fopics inc h evidence , students a complete <u>Clinical</u> 0	sary to assis lude comm e acquisition should be a e criminal o <u>Work Exp</u> 0	st in the ercial and n, data uble to r corporate <u>c Credit</u> 3

			Cleas	Loh	Clinical	Work E.	Page 8		
CCT 251	NT / 1 X7 1	1.11.2 11	Class		Clinical	WORK EX			
CCT-251	Network Vuln	erabilities II	2	2	0	0	3		
	State Prerequi	sites:							
	Corequisites:	None							
	Description:	This course advances stude vulnerabilities, and hacking for circumventing network completion, students should operating systems, scan and forensic investigation. <u>back</u>	'his course advances students' knowledge of penetration testing, network ulnerabilities, and hacking. Topics include analyzing advanced techniques or circumventing network security hardware and software. Upon ompletion, students should be able to assemble test kits for multiple operating systems, scan and footprint networks, and perform advanced orensic investigation. <u>back to top</u>						
			<u>Class</u>	Lab	Clinical	Work Ex	<u>p</u> Credit		
CCT-285	Trends in Cyb	er Crime	2	2	0	0	3		
	State Prerequi	sites:							
	Corequisites:	None							
	Description:	This course covers and exp technologies. Emphasis is p protection and security, thre completion, students should state of the industry as well technology. <u>back to top</u>	lores adv placed on eat respond be able as emerg	ances a compu nse, and to articu ging tec	nd develop ter forensi l professio ulate unde hnologies	pments in ics tools, in onal develourstanding for cyber	cyber crime nformation opment. Upo of the curre crime		
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Ex	<u>p</u> <u>Credit</u>		
CCT-289	Capstone Proj	ect	1	6	0	0	3		
CCT-289	Capstone Proj State Prerequi	ect sites:	1	6	0	0	3		
CCT-289	Capstone Proj State Prerequi Corequisites:	ect sites: None	1	6	0	0	3		

Page | 84

DATABASE MANAGEMENT TECHNOLOGY (DBA)

			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	<u>Work Exp</u>	<u>)</u> Credit		
DBA-110	Database Con	cepts	2	3	0	0	3		
	Prerequisites:	None							
	Corequisites:	None							
	Description:	This course introduces database design and creation using a DBMS product. Imphasis is placed on data dictionaries, normalization, data integrity, data nodeling, and creation of simple tables, queries, reports, and forms. Upon ompletion, students should be able to design and implement normalized atabase structures by creating simple database tables, queries, reports, and orms. <u>back to top</u>							
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>)</u> Credit		
DBA-115	Database App	lications	2	2	0	0	3		
	Prerequisites:	Take DBA-110							
	Corequisites:	None							
	Description:	This course applies concept Topics include manipulating reports, linking, and comma able to create multiple table reports representative of inc	s learned g multipl and files. systems lustry rec	l in DB e tables Upon o that de quireme	A 110 to a s, advance completion emonstrate ents. <u>back t</u>	a specific D d queries, s n, students updates, so <u>o top</u>	BMS. screens and should be creens, and		
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	<u>Work Exp</u>	<u>Credit</u>		
DBA-120	Database Prog	gramming I	2	2	0	0	3		
	Prerequisites:	None							
	Corequisites:	None							
	Description:	This course is designed to develop SQL programming proficiency. Emphasi is placed on data definition, data manipulation, and data control statements a well as on report generation. Upon completion, students should be able to write programs which create, update, and produce reports.							

			Class	Lab	Clinical	Work Exp	o Credit
DBA-210	Database Adm	ninistration	2	3	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course covers database concepts. Topics include da backup and recovery, stand security and performance e able to produce functional l database. <u>back to top</u>	e adminis atabase ac ards and valuation DBA doc	tration Iministr procedu s. Upor umenta	issues and rator (DBA ures, traini n completi tion and a	l distribute A) goals an ing, and da on, studen dminister a	d database ad function atabase ts should b a
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>o</u> Credit
DBA-220	Oracle DB Pro	ogramming II	2	2	0	0	3
	Prerequisites:	Take DBA-120					
	~						
	Corequisites:	None This course is designed to s	nhanaa n	roarom	ming skil	la dovolor	d in DRA
	Corequisites: Description:	None This course is designed to e 120. Topics include applica embedded programming. U develop an Oracle DBMS a report generation. <u>back to to</u>	enhance p ation deve pon com applicatio	program elopmen pletion, n whicl	nming skill nt with GU , students h includes	ls develope JI front-en should be a a GUI fron	ed in DBA ds and able to nt-end and
	Corequisites: Description:	None This course is designed to e 120. Topics include applica embedded programming. U develop an Oracle DBMS a report generation. <u>back to to</u>	enhance p ation deve pon com applicatio <u>op</u> <u>Class</u>	program elopmen pletion, n whicl <u>Lab</u>	nming skill nt with GU students i h includes <u>Clinical</u>	ls develope JI front-en should be a a GUI fron <u>Work Ex</u> J	ed in DBA ds and able to nt-end and <u>p Credit</u>
DBA-221	Corequisites: Description: SQL Server D	None This course is designed to e 120. Topics include applica embedded programming. U develop an Oracle DBMS a report generation. <u>back to to</u> B Prog II	enhance p ation deve pon com applicatio <u>op</u> <u>Class</u> 2	program elopmen pletion, n which <u>Lab</u> 2	nming skill nt with GU , students : h includes <u>Clinical</u> 0	ls develope JI front-en should be a a GUI fron <u>Work Exp</u> 0	ed in DBA ds and able to nt-end and <u>p Credit</u> 3
DBA-221	Corequisites: Description: SQL Server D Prerequisites:	None This course is designed to e 120. Topics include applica embedded programming. U develop an Oracle DBMS a report generation. <u>back to to</u> B Prog II Take DBA-120	enhance p ation deve pon com applicatio <u>op</u> <u>Class</u> 2	program elopmen pletion, n which <u>Lab</u> 2	nming skill nt with GU students a h includes <u>Clinical</u> 0	ls develope JI front-en should be a a GUI fron <u>Work Exp</u> 0	ed in DBA ds and able to nt-end and <u>p Credit</u> 3
DBA-221	Corequisites: Description: SQL Server D Prerequisites: Corequisites:	None This course is designed to e 120. Topics include applica embedded programming. U develop an Oracle DBMS a report generation. <u>back to to</u> B Prog II Take DBA-120 None	enhance p ation deve pon com applicatio <u>op</u> <u>Class</u> 2	program elopmen pletion, n which <u>Lab</u> 2	nming skill nt with GU students h includes <u>Clinical</u> 0	ls develope JI front-en should be a a GUI fron <u>Work Exp</u> 0	ed in DBA ds and able to nt-end and <u>p Credit</u> 3
DBA-221	Corequisites: Description: SQL Server D Prerequisites: Corequisites: Description:	None This course is designed to e 120. Topics include applica embedded programming. U develop an Oracle DBMS a report generation. <u>back to to</u> B Prog II Take DBA-120 None This course is designed to e 120. Topics include applica embedded programming. U develop a SQL Server DBM and report generation. <u>back</u>	enhance p ation deve pon com applicatio p <u>Class</u> 2 2 enhance p ation deve pon com AS applic to top	erogram pletion, n which <u>Lab</u> 2 rogram elopmen pletion, eation w	aming skill nt with GU , students h includes <u>Clinical</u> 0 uming skill nt with GU , students which inclu	ls develope JI front-en should be a a GUI fron <u>Work Exp</u> 0 ls develope JI front-en should be a udes a GUI	ed in DBA ds and able to nt-end and <u>p Credit</u> 3 ed in DBA ds and able to front-end
DBA-221	Corequisites: Description: SQL Server D Prerequisites: Corequisites: Description:	None This course is designed to e 120. Topics include applica embedded programming. U develop an Oracle DBMS a report generation. <u>back to to</u> B Prog II Take DBA-120 None This course is designed to e 120. Topics include applica embedded programming. U develop a SQL Server DBM and report generation. <u>back</u>	enhance p ation deve pon com applicatio <u>op</u> <u>Class</u> 2 2 enhance p ation deve pon com AS applic <u>to top</u> <u>Class</u>	program pletion, n which <u>Lab</u> 2 program plopmen pletion, cation w	uming skill nt with GU , students a h includes <u>Clinical</u> 0 uming skill nt with GU , students a /hich inclu <u>Clinical</u>	ls develope JI front-en should be a a GUI fron <u>Work Exp</u> 0 ls develope JI front-en should be a udes a GUI	ed in DBA ds and able to nt-end and <u>p Credit</u> 3 ed in DBA ds and able to front-end <u>p Credit</u>
DBA-221 DBA-240	Corequisites: Description: SQL Server D Prerequisites: Corequisites: Description: Database Ana	None This course is designed to e 120. Topics include applica embedded programming. U develop an Oracle DBMS a report generation.back to to B Prog II Take DBA-120 None This course is designed to e 120. Topics include applica embedded programming. U develop a SQL Server DBM and report generation.back	enhance p ation develop pon com applicatio p <u>Class</u> 2 enhance p ation develop MS applic to top <u>Class</u> 2	program pletion, n which <u>Lab</u> 2 program pletion, cation w <u>Lab</u> 3	aming skill nt with GU students is h includes <u>Clinical</u> 0 aming skill nt with GU students is which inclu <u>Clinical</u> 0	ls develope JI front-en should be a a GUI fron <u>Work Exp</u> 0 ls develope JI front-en should be a ides a GUI <u>Work Exp</u> 0	ed in DBA ds and able to nt-end and <u>p Credit</u> 3 ed in DBA ds and able to front-end <u>p Credit</u> 3
DBA-221 DBA-240	Corequisites: Description: SQL Server D Prerequisites: Corequisites: Description: Database Ana Prerequisites:	None This course is designed to e 120. Topics include applica embedded programming. U develop an Oracle DBMS a report generation.back to to B Prog II Take DBA-120 None This course is designed to e 120. Topics include applica embedded programming. U develop a SQL Server DBM and report generation.back	enhance p ation deve pon com applicatio <u>op</u> <u>Class</u> 2 enhance p ation deve pon com MS applic <u>to top</u> <u>Class</u> 2	program pletion, n which <u>Lab</u> 2 program pletion, cation w <u>Lab</u> 3	aming skill nt with GU students is h includes <u>Clinical</u> 0 aming skill nt with GU students is which inclu <u>Clinical</u> 0	ls develope JI front-en should be a a GUI fron <u>Work Exp</u> 0 ls develope JI front-en should be a ides a GUI <u>Work Exp</u> 0	ed in DBA ds and able to nt-end and <u>p Credit</u> 3 ed in DBA ds and able to front-end <u>p Credit</u> 3

Description: This course is an exploration of the established and evolving methodologies for the analysis, design, and development of a database system. Emphasis is placed on business data characteristics and usage, managing database projects, prototyping and modeling, and CASE tools. Upon completion, students should be able to analyze, develop, and validate a database implementation plan.<u>back to top</u>

DEVELOPMENTAL MATHEMATICS (DMA)

		<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	Credit
DMA-010	Operations with Integers	.75	.50	0	0	1

Prerequisites: None

Corequisites: None

Description: This course provides a conceptual study of integers and integer operations. Topics include integers, absolute value, exponents, square roots, perimeter and area of basic geometric figures, Pythagorean theorem, and use of the correct order of operations. Upon completion, students should be able to demonstrate an understanding of pertinent concepts and principles and apply this knowledge in the evaluation of expressions.

Competencies

- 1. Visually represent an integer and its opposite on the number line
- 2. Explain the concept of the absolute value of an integer
- 3. Demonstrate the conceptual understanding of operations with integers to solve application problems
- 4. Correctly apply commutative and associative properties to integer operations
- 5. Apply the proper use of exponents and calculate the principal square root of perfect squares
- 6. Simplify multi-step expressions using the rules for order of operations
- 7. Solve geometric application problems involving area and perimeter of rectangles and triangles, angles, and correctly apply the Pythagorean theorem

Student Learning Outcomes

- 1.1 Demonstrate an understanding of the concept of integers within contextual application problems
- 1.2 Correctly represent integers on a number line
- 1.3 Demonstrate the correct use of additive inverses
- 1.4 Evaluate the absolute value of a number
- 1.5 Apply integer operations in solving contextual application problems

- 1.6 Correctly apply the associative and commutative properties
- 1.7 Demonstrate understanding of exponents by converting between exponential and expanded form
- 1.8 Evaluate exponents
- 1.9 Calculate the square root of numbers containing perfect squares
- 1.10 Evaluate integer expressions by using the correct order of operations
- 1.11 Distinguish between appropriate use of area and perimeter formulas to solve geometric application problems
- 1.12 Use the Pythagorean Theorem to solve geometric problems
- 1.13 Represent the events of a geometric application problem included in this module pictorially and evaluate the correct solution using the appropriate formula
- 1.14 Demonstrate an understanding of what a variable represents
- 1.15 Evaluate variable expressions and formulas

back to top

		<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	Credit
DMA-020	Fractions and Decimals	.75	.50	0	0	1

State Prerequisites: Take DMA-010;

Corequisites: None

Description: This course provides a conceptual study of the relationship between fractions and decimals and covers related problems. Topics include application of operations and solving contextual application problems, including determining the circumference and area of circles with the concept of pi. Upon completion, students should be able to demonstrate an understanding of the connections between fractions and decimals.

- 1. Solve contextual application problems involving operations with fractions and decimals
- 2. Visually represent fractions and their decimal equivalents
- 3. Simplify fractions
- 4. Find the lowest common denominator of two fractions
- 5. Correctly perform arithmetic operations on fractions
- 6. Explain the relationship between a number and its reciprocal
- 7. Correctly order fractions and decimals on a number line
- 8. Convert decimals between standard notation and word form
- 9. Round decimals to a specific place value

- 10. Estimate sums, differences, products, and quotients with decimals
- 11. Demonstrate an understanding of the connection between fractions and decimals
- 12. Convert between standard notation and scientific notation
- 13. Solve geometric applications involving the circumference and area of circles

Student Learning Outcomes

- 2.1 Solve conceptual problems involving fractions and decimals
- 2.2 Visually represent fractions and decimals
- 2.3 Simplify fractions
- 2.4 Visually represent equivalent fractions and correctly place the values on the number line
- 2.5 Add and subtract fractions with like denominators
- 2.6 Write an equivalent fraction with a given denominator
- 2.7 Add and subtract fractions with unlike denominators using the correct LCD
- 2.8 Visually represent the sum and difference of two fractions with unlike denominators
- 2.9 Multiply fractions
- 2.10 Visually represent multiplication of fractions
- 2.11 Divide fractions using reciprocals
- 2.12 Correctly round decimals to a specific place value
- 2.13 Estimate sums, differences, products, and quotients with decimals
- 2.14 Demonstrate an understanding of the connection between fractions and decimals
- 2.15 Distinguish between the appropriate use of circumference and area of a circle in solving geometric applications
- 2.16 Represent events in geometric problems pictorially and evaluate the solution using correct formulas
- 2.17 Correlate negative exponents to fractions and decimals in base 10
- 2.18 Convert between standard notation and scientific notation

			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	Credit	
DMA-025	Applications	with Real Numbers	.75	.50	0	0	1	
	State Prerequi	sites: None						
	Corequisites:	requisites: None						
	Description:	This course provides a conceptual study of integers, integer oper relationship between fractions and decimals, rates, ratios, percen						

Page | 89

proportions and related problems. Topics include integer operations and rational numbers, geometric applications, absolute value, exponents, square roots, Pythagorean Theorem, order of operations, rates, ratios, percents, proportions, conversion of English and Metric units, and applications of the geometry of similar triangles. Upon completion, students should be able to demonstrate an understanding of pertinent concepts and principles, apply the knowledge of the relationships between decimals, fractions, and percents, and use their understanding to solve conceptual application problems.

back to top

		<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	Credit
DMA-030	Proportion / Ratios / Rates / Percents	.75	.50	0	0	1

State Prerequisites: Take All: DMA-010, DMA-020;

Corequisites: None

Description: This course provides a conceptual study of the problems that are represented by rates, ratios, percent, and proportions. Topics include rates, ratios, percent proportion, conversion of English and metric units, and applications of the geometry of similar triangles. Upon completion, students should be able to use their understanding to solve conceptual application problems.

Competencies

- 1. Apply the concepts of ratio, rates, proportions, and percents to application problems
- 2. Recognize and choose the correct units in application problems using ratios, rates, and proportions
- 3. Calculate a unit rate
- 4. Convert measurements within and between the U.S. customary and metric system using unit analysis
- 5. Compare percents, decimals, and fractions
- 6. Apply the concepts of part, whole, and percent to solve contextual applications

Student Learning Outcomes

- 3.1 Demonstrate an understanding of the concepts of ratios, rates, proportions, and percents in the context of application problems
- 3.2 Write a ratio using a variety of notations
- 3.3 Distinguish between events in a problem that should be represented by a ratio or a rate
- 3.4 Calculate a unit rate
- 3.5 Convert measurements within the U.S. customary and metric system using unit analysis
- 3.6 Convert measurements between the U.S customary and metric systems using unit analysis

- 3.7 Represent percent as "parts of 100"
- 3.8 Correctly convert between fractions, decimals, and percents
- 3.9 Solve application problems using ratios, rates, proportions, and percents
- 3.10 Recognize that two triangles are similar and solve for unknown sides using proportions in contextual applications

back to top

		<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	Credit
DMA-040	Expressions, Linear Equations, Linear Ineq	ual	.75	.50	0	01

State Prerequisites: Take One Set:

Set 1: DMA-010, DMA-020, DMA-030;

Set 2: DMA-025;

Corequisites: None

Description: This course provides a conceptual study of problems involving linear expressions, equations, and inequalities. Emphasis is placed on solving contextual application problems. Upon completion, students should be able to distinguish between simplifying expressions and solving equations and apply this knowledge to problems involving linear expressions, equations, and inequalities.

Competencies

- 1. Differentiate between expressions, equations, and inequalities
- 2. Simplify and evaluate, when appropriate, expressions, equations, and inequalities
- 3. Effectively apply algebraic properties of equality
- 4. Correctly represent the solution to an inequality on the number line
- 5. Represent the structure of application problems pictorially and algebraically
- 6. Apply effective problem solving strategies to contextual application problems
- 7. Demonstrate conceptual knowledge by modeling and solving applications using linear equations and inequalities

Student Learning Outcomes

- 4.1 Demonstrate the use of a problem solving strategy to include multiple representations of the situation, organization of the information, and algebraic representation of linear equations or inequalities
- 4.2 Represent verbal statements as algebraic expressions, equations, and inequalities
- 4.3 Distinguish between problem events that use expressions, equations, or inequalities

4.4 Solve linear	equations and	inequalities i	n one	variable	using	algebraic	properties	of
equality								

- 4.5 Demonstrate an understanding of the meaning of solutions to problems, i.e. identity, contradiction, conditional
- 4.6 Represent solutions of inequalities on a number line

back to top

Class Lab Clinical Work Exp Credit DMA-045 Expressions, Linear Equations/Inequalities 1.50 1.00 0 0 2 State Prerequisites: Take One Set: Set 1: DMA-010, DMA-020, DMA-030; Set 2: DMA-025: Set 3: MAT-060 Corequisites: None Description: This course provides a conceptual study of problems involving linear expressions, equations, inequalities, and graphic and algebraic representations of lines. Topics include solving equations, slope, equations of lines, interpretation of basic graphs, linear modeling, and contextual application problems. Upon completion, students should be able to simplify expressions, solve equations and inequalities, create and interpret graphical representation of equations, inequalities, and real world data, and apply this knowledge to real world situations.back to top Lab Clinical Work Exp Credit Class .50 0 0 DMA-050 Graphs and Equations of Lines .75 1 State Prerequisites: Take One Set: Set 1: DMA-010, DMA-020, DMA-030, DMA-040; Set 2: MAT-060, DMA-040; Corequisites: None This course provides a conceptual study of problems involving graphic and Description: algebraic representations of lines. Topics include slope, equations of lines,

students should be able to solve contextual application problems and represent real-world situations as linear equations in two variables.

interpretation of basic graphs, and linear modeling. Upon completion,

- 1. Read and interpret basic graphs to solve problems
- 2. Apply the concept of slope as a rate of change in real-world situations

- 3. Write and graph linear equations in two variables to model real-world situations
- 4. Represent real-world situations as linear equations in two variables in tabular form, graphically, and algebraically

Student Learning Outcomes

- 5.1 Analyze and interpret basic graphs to solve problems
- 5.2 Represent real world situations in tabular, graphical, and algebraic equation form using two variables

5.3 Generate a table of values given an equation in two variables and plot in Cartesian plane to graph a line

- 5.4 Demonstrate an understanding of the concept of slope as a rate of change in real world situations using the slope formula
- 5.5 Find and interpret the x- and y-intercepts of linear models in real world situations
- 5.6 Graph linear equations using a variety of strategies
- 5.7 Given a contextual application, write a linear equation and use the equation to make predictions

5.8 Demonstrate a conceptual understanding of horizontal and vertical lines in terms of slope and graphically

5.9 Demonstrate a conceptual understanding of the concept of an algebraic function

back to top

		<u>Class</u>	Lab	<u>Clinical</u>	Work Exp	<u>Credit</u>
DMA-060	Polynomial and Quadratic Applications	.75	.50	0	0	1

State Prerequisites: Take One Set:

Set 1: Take All: DMA-010, DMA-020, DMA-030, DMA-040, DMA-050;

Set 2: Take All: MAT-060; DMA040, DMA-050;

Set 3: Take All: MAT-060, MAT-070;

Corequisites: None

Description: This course provides a conceptual study of problems involving graphic algebraic representations of quadratics. Topics include basic polynomial operations, factoring polynomials, and solving polynomial equations by means of factoring. Upon completion, students should be able to find algebraic solutions to contextual problems with quadratic applications.

- 1. Represent real-world applications as quadratic equations.
- 2. Apply exponent rules.

- 3. Solve application problems involving polynomial operations.
- 4. Apply the principles of factoring when solving problems.
- 5. Analyze the graph of a quadratic function.

Student Learning Outcomes

- 1. Demonstrate the use of a problem solving strategy to include multiple representations of the situation, organization of the information, and algebraic representation of quadratic equations.
- 2. Add and subtract polynomials.
- 3. Apply exponent rules.
- 4. Multiply polynomials.
- 5. Divide a polynomial by a monomial.
- 6. Factor trinomials using multiple methods.
- 7. Factor the difference of two squares.
- 8. Solve quadratic applications using the zero product property and critique the reasonableness of solutions found.
- 9. Given the graph of a parabola, identify the vertex and x-intercepts.

back to top

		<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	Credit
DMA-065	Algebra for Precalculus	2.25	1.50	0	0	3

State Prerequisites: Take One Set:

- Set 1: DMA-010, DMA-020, DMA-030, DMA-040, DMA-050;
- Set 2: DMA-10; DMA-020, DMA-030, DMA-045;
- Set 3: DMA-025, DMA-040, DMA-050;
- Set 4: DMA-025, DMA-045

Corequisites: None

Description: This course provides a study of problems involving algebraic representations of quadratic, rational, and radical equations. Topics include simplifying polynomial, rational, and radical expressions and solving quadratic, rational, and radical equations. Upon completion, students should be able to find algebraic solutions to contextual problems with quadratic and rational applications.

- 1. Represent real-world applications as quadratic equations
- 2. Apply exponent rules

- 3. Solve application problems involving polynomial
- 4. Apply the principles of factoring when solving problems

5. Represent and solve contextual application problems involving operations on expressions and/or equations

- 6. Explain the reasonableness of solutions found
- 7. Solve radical equations
- 8. Perform operations with radical expressions

Student Learning Outcomes

- 1. Demonstrate the use of a problem solving strategy to include multiple representations of the situation, organization of the information, and algebraic representation of quadratic and rational equations
- 2. 2. Add and subtract polynomials
- 3. Apply exponent rules
- 4. Multiply polynomials
- 5. Divide a polynomial by a monomial
- 6. Factor trinomials using multiple methods
- 7. Factor the difference of two squares
- 8. Given the graph of a parabola, identify the vertex and x-intercepts
- 9. Solve quadratic applications using the zero product property and critique the reasonableness of solutions found
- 10. Identify the domain of a rational expression
- 11. Multiply and divide rational expressions
- 12. Add and subtract rational expressions
- 13. Solve basic rational equations
- 14. Use rational exponents to rewrite radical expressions
- 15. Simplify radical expressions
- 16. Add and subtract radical expressions
- 17. Multiply radical expressions
- 18. Divide radical expressions
- 19. Solve radical equations with one radical term
- 20. Solve quadratic equations and applications using the quadratic formula

			Class	Lab	Clinical	Work Fx	Page 9 p Credit		
DMA-070	Rational Expr	ress/Faulation	<u>– 1435</u> 75	<u>1200</u> 50	n	<u>,,, ork Lx</u>	1		
DMA-070	State Prerequi	sites: Take One Set	.15	.50	U	0	1		
	Set 1: Take All: DMA-010, DMA-020, DMA-030 DMA-040 DMA-050								
	Set 2: Take All: MAT-060; DMA040. DMA-050:								
	Set 3: Take All: MAT-060, MAT-070;								
	Corequisites:	None	70,						
	Description:	This course provides	e study of prob	lems in	volving a	aebraic re	nrecentation		
		of rational equations. with rational expression determining the reason should be able to find rational applications.	Topics include ons and equation nableness of ar algebraic solution	e simpli ons, uno n answe tions to	fying and derstandin er. Upon c contextua	performin g the dom ompletion al problem	ng operations nain, and n, students ns with		
		ba	<u>ck to top</u>						
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Ex	<u>p</u> Credit		
DMA-080	Rational Expr	ress/Equations	.75	.50	0	0	1		
	State Prerequisites: Take One Set:								
	Set 1: DMA-010, DMA-020, DMA-030, DMA-040, DMA-050 DMA-060,								
	DMA-070;								
	Set 2: DMA-010, DMA-020, D,A-030, DMA-045, DMA-060, DMA-070;								
	Set 3: DMA-0	025, DMA-040 D,A-05	0, D,A-060, D	MA-07	0;				
	Set 4: DMA-	025, DMA-045, DMA-	060, DMA-07	0					
	Corequisites:	None							
	Description: This course provides a study of problems involving algebraic representations of the manipulation of radical expressions and the application of radical equations. Topics include simplifying and performing operations with radical expressions and rational exponents, solving radical equations, and determining the reasonableness of a solution. Upon completion, students should be able to find algebraic solutions to contextual problems with radical								
	Competencies								
	1. Solve radical equations.								
	2. Explain the reasonableness of solutions found.								
	3. Perform operations with radical expressions.								

Student Learning Outcomes

- 1. Use rational exponents to rewrite radical expressions.
- 2. Simplify radical expressions.
- 3. Add and subtract radical expressions.
- 4. Multiply radical expressions.
- 5. Divide radical expressions.
- 6. Solve radical equations with one radical term.
- 7. Solve quadratic equations and applications using the quadratic formula.

back to top

DEVELOPMENTAL MATH SHELL (DMS)

			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	<u>Work Exp</u>	<u>o Credit</u>		
DMS-001	Developmenta	al Math Shell 1	.75	.50	0	0	1		
	Prerequisites:	None							
	Corequisites:	None							
	Description:	This course provides an opp content in specific developm module appropriate to the re- students should be able to d developmental math area of	his course provides an opportunity to customize developmental math ntent in specific developmental math areas. Content will be one DMA odule appropriate to the required level of the student. Upon completion, udents should be able to demonstrate an understanding of their specific evelopmental math area of content.						
		back to	<u>top</u>						
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	<u>Work Exp</u>	<u>o Credit</u>		
DMS-002	Developmenta	al Math Shell 2	1.50	1.00	0	0	2		
	Prerequisites:	None							
	Corequisites:	None							
	Description:	This course provides an opp content in specific developm modules appropriate to the students should be able to d developmental math area of	oortunity nental ma required l emonstra content.	to custo ath area evel of te an u	omize dev s. Conten the stude nderstandi	elopmenta t will be tw nt. Upon c ing of their	l math vo DMA ompletion specific		

			Class	Lab	Clinical	Work Exp	Credit
DMS-003	Developmenta	l Math Shell 3	2.25	1.50	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course provides an opponent in specific developmental math area of developmental math area of	portunity mental m required lemonstra f content.	to custo ath area level of ate an un	omize dev s. Conten the stude nderstand	relopmental t will be thr nt. Upon co ing of their	math ree DMA ompletion specific
		back to	top				
			<u>Class</u>	Lab	Clinical	Work Exp	<u>Credit</u>
DMS-004	Developmenta	ll Math Shell 4	3.00	2.00	0	0	4
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course provides a cond Topics include integers, abs and area of basic geometric correct order of operations.	ceptual st solute val figures, Upon co	udy of i ue, exp Pythago ompletio	ntegers an onents, sq orean theo on, studen	nd integer o juare roots, orem, and us its should be	perations perimeter se of the e able to
	Description:	This course provides a cond Topics include integers, abs and area of basic geometric correct order of operations. demonstrate an understandit this knowledge in the evalue	ceptual st solute val c figures, Upon co ing of per lation of e	udy of i ue, exp Pythago ompletio tinent c expressi	ntegers an onents, sq orean theo on, studen oncepts a ons.	nd integer o juare roots, orem, and us its should be nd principle	perations perimeter se of the e able to es and app
	Description:	This course provides a cond Topics include integers, abs and area of basic geometric correct order of operations. demonstrate an understandis this knowledge in the evalue <u>back to</u>	ceptual st solute val e figures, Upon co ing of per ation of e top	udy of i ue, exp Pythago ompletio tinent c expressi	ntegers an onents, sq orean theo on, studen oncepts a ons.	nd integer o juare roots, orem, and us its should be nd principle	perations perimeter se of the e able to es and app
	Description: DEVI	This course provides a cone Topics include integers, abs and area of basic geometric correct order of operations. demonstrate an understandie this knowledge in the evalue <u>back to</u> ELOPMENTAL REAL	ceptual st solute val c figures, Upon co ing of per nation of e top	udy of i ue, exp Pythago ompletio tinent c expressi ENGL	ntegers an onents, sq orean theo on, studen oncepts a ons.	nd integer o juare roots, orem, and us its should be nd principle RE)	perations perimeter se of the e able to es and app
	Description:	This course provides a cone Topics include integers, abs and area of basic geometric correct order of operations. demonstrate an understandi this knowledge in the evalue <u>back to</u> ELOPMENTAL REAL	ceptual st solute val c figures, Upon co ing of per tation of c top DING /	udy of i ue, exp Pythago ompletio tinent c expressi ENGL <u>Lab</u>	ntegers an onents, sep orean theo on, studen oncepts a ons. ISH (D)	nd integer o juare roots, orem, and us its should be nd principle RE)	perations perimeter se of the e able to es and app
DRE-096	Description: DEVI Integrated Rea	This course provides a cond Topics include integers, abs and area of basic geometric correct order of operations. demonstrate an understandi this knowledge in the evalue <u>back to</u> ELOPMENTAL REAL	ceptual st solute val e figures, Upon co ing of per ation of e top DING / <u>Class</u> 2.50	udy of i ue, exp Pythago ompletio tinent c expressi ENGL <u>Lab</u> 1	ntegers an onents, sq orean theo on, studen oncepts a ons. (ISH (D) <u>Clinical</u> 0	nd integer o juare roots, orem, and us its should be nd principle RE) <u>Work Exp</u> 0	perations perimeter se of the e able to es and app <u>Credit</u> 3
DRE-096	Description: DEVI Integrated Rea Prerequisites:	This course provides a cond Topics include integers, abs and area of basic geometric correct order of operations. demonstrate an understanding this knowledge in the evalue <u>back to</u> ELOPMENTAL REAL adding and Writing I None	ceptual st solute val figures, 1 Upon co ing of per ation of c top DING / 1 <u>Class</u> 2.50	udy of i ue, exp Pythago ompletio tinent c expressi ENGL <u>Lab</u> 1	ntegers an onents, sq orean theo on, studen oncepts a ons. (ISH (D) <u>Clinical</u> 0	nd integer o juare roots, orem, and us its should be nd principle RE) <u>Work Exp</u> 0	perations perimeter se of the e able to es and app <u>Credit</u> 3
DRE-096	Description: DEVI Integrated Rea Prerequisites: Corequisites:	This course provides a cone Topics include integers, abs and area of basic geometric correct order of operations. demonstrate an understandid this knowledge in the evalue <u>back to</u> ELOPMENTAL REAL adding and Writing I None None	ceptual st solute val e figures, 1 Upon co ing of per nation of e top DING / 1 <u>Class</u> 2.50	udy of i ue, exp Pythago ompletio tinent c expressi ENGL <u>Lab</u> 1	ntegers an onents, sq orean theo on, studen oncepts a ons. ISH (D Clinical 0	nd integer o juare roots, orem, and us its should be nd principle RE) <u>Work Exp</u> 0	perations perimeter se of the e able to es and app <u>Credit</u> 3

			Class	Lah	Clinical	Work E.	Page 9
DDE 007	Integrated Day	ding and Writing H	<u>Class</u>	<u>Lau</u> 1	<u>Clinical</u>		2 <u>crean</u>
DKE-097	State Dranagui		2.30	1	0	0	3
	State Prefequi	None					
	Description:	This source is designed to	davalar r	noficia	an in inta	anotad and	1
	Desemption.	contextualized reading and reading and writing process and composition of well-d noted, these topics are taug a Lexile TM range of 1070 to demonstrate and apply t complex academic and car relevant, valid evidence. <u>b</u>	d writing sl sses, critica eveloped, ght at a rei to 1220. U those skills reer texts a pack to top	kills an al think cohere nforcer Jpon co s towar nd con	Id strategie ing strategie nt, and un ment level ompletion, d understa nposing es	grated and es. Topics gies, and r ified texts using tex , students nding a va says incor	s include ecognition ; except whe ts primarily i should be ab ariety of porating
			Class	<u>Lab</u>	Clinical	Work Ex	p Credit
DRE-098	Integrated Rea	ading and Writing III	2.50	1	0	0	3
	State Prerequisites: Take DRE-097;						
	Corequisites:	None					
	Description:	This course is designed to contextualized reading and reading and writing process and composition of well-d are taught at a reinforcement of 1185 to 1385. Upon co skills toward understandin level and toward composition	develop pa d writing si sses, critica eveloped, ent level us mpletion, g a variety ng a docum	roficien kills an al think coheren sing tex student v of tex nented	ncy in intend strategies and strategies ing strategies int, and unit its primaria its should b ts at the car essay.	grated and es. Topics gies, and r ified texts ly in a Le be able to a ureer and c	d s include ecognition ; these topics xile ™ range apply those college ready
		back to	o top				
		DRAFTIN	G (DFT))			
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Ex	p Credit
DFT-154	Intro Solid Mo	odeling	2	3	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course is an introduct design software. Topics in analysis of solid models, a completion, students should	tion to basi clude basi and creation ld be able	ic three c desig n of mu to use c	e-dimension, creation altiview da design tech	onal solid i n, editing, cawings. U	modeling and rendering an Jpon create edit

render and generate a multiview drawing.

							Page 9	19
		back to	top					
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Ex	<u>p</u> Credit	
DFT-170	Engineering C	Graphics	2	2	0	0	3	
	Prerequisites:	None						
	Corequisites:	None						
	Description:	Description: This course introduces basic engineering graphics skills and applications. Topics include sketching, selection and use of current methods and tools, and the use of engineering graphics applications. Upon completion, students should be able to demonstrate an understanding of basic engineering graphics principles and practices.						d 2S

P a g e | 100

DIGITAL MEDIA TECHNOLOGY (DME)

			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	Credit				
DME-110	Intro to Digita	l Media	2	2	0	0	3				
	Prerequisites:	None									
	Corequisites:	None									
	Description:	This course introduces stude related to digital media. Top and related design issues, te ethical issues. Upon comple various media formats that a	his course introduces students to key concepts, technologies, and issues lated to digital media. Topics include emerging standards, key technologies d related design issues, terminology, media formats, career paths, and nical issues. Upon completion, students should be able to demonstrate the rious media formats that are used in digital media technology. <u>back to top</u>								
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	<u>Work Exp</u>	<u>Credit</u>				
DME-115	Graphic Desig	gn Tools	2	2	0	0	3				
	Prerequisites:	None									
	Corequisites:	None									
	Description:	This course provides studen art/design techniques in a di designing, creating, editing bit-mapped and vector-base animations, and multiple lay design and produce a range techniques. <u>back to top</u>	ts with an gital envi- and integ d images vers. Upo of visual	n introc ironme grating , drawi n comp produc	duction to nt. Empha visual con ngs, banno oletion, stu cts using d	creative exp asis is place nponents co ers, text, sir adents shou ligital proce	pression and d on insisting of nple ld be able to essing				
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>Credit</u>				
DME-120	Intro to Multin	nedia Appl	2	2	0	0	3				
	Prerequisites:	None									
	Corequisites:	None									
	Description:	This course introduces story Topics include vector and b interfaces, layering techniqu Upon completion, students s interactive multimedia appli	This course introduces storyboarding and multimedia application design. Topics include vector and bit-mapped graphics, interactive multimedia interfaces, layering techniques, image and animation libraries, and scripting. Upon completion, students should be able to produce basic high-quality interactive multimedia applicationsback to top								
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>Credit</u>				
DME-130	Digital Anima	tion I	2	2	0	0	3				
	Prerequisites:	None									
	Corequisites:	None									

	Description:	This course introduces conc sequences. Emphasis will be and exploration of various a students should be able to p	epts for placed on imation roduce si	olannin on revie 1 softwa mple a	g and deve ew of digi are packag nimations.	eloping an tal animati tes. Upon o . <u>back to to</u>	imation ion concepts completion,
		DRAMA / THEA	ATRE (DRA)			
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>p</u> <u>Credit</u>
DRA-111	Theatre Appre	eciation	3	0	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	Description: This course provides a study of the art, craft, and business of the theatre. Emphasis is placed on the audience's appreciation of the work of the playwright, director, actor, designer, producer, and critic. Upon completion, students should be able to demonstrate a vocabulary of theatre terms and to recognize the contributions of various theatre artists. <u>back to top</u>						
			<u>Class</u>	Lab	<u>Clinical</u>	Work Exp	p <u>Credit</u>
DRA-130	Acting I		0	6	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course provides an app role analysis, training the vo evaluation. Upon completion creativity in an acting ensem	olied stud bice, and bn, studer nble.	y of the body co nts show	e actor's cr oncentration uld be able	raft. Topic on, discipl e to explor	cs include ine, and self- e their
		back to	top				
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	p <u>Credit</u>
DRA-131	Acting II		0	6	0	0	3
	State Prerequi	sites: Take DRA-130;					
	Corequisites:	None					
	Description:	This course provides addition Emphasis is placed on furth for acting competence. Up their creativity in an acting of	onal hand er analys on comp ensemble	ls-on pr is, char letion, s	ractice in t racterization students sl	he actor's on, growth nould be al	craft. , and training ble to explore
		back to	<u>top</u>				

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ECONOMICS (ECO)

			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	<u>Work Exp</u>	Credit		
ECO-251	Principles of M	Microeconomics	3	0	0	0	3		
	Prerequisites:	None							
	Corequisites:	None							
	Description:	This course introduces economic analysis of individual, business, and industry in the market economy. Topics include the price mechanism, supply and demand, optimizing economic behavior, costs and revenue, market structures, factor markets, income distribution, market failure, and government intervention. Upon completion, students should be able to identify and evaluate consumer and business alternatives in order to efficiently achieve economic objectives.							
		back to	<u>top</u>						
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	<u>Work Exp</u>	<u>Credit</u>		
ECO-252	Principles of M	Macroeconomics	3	0	0	0	3		
	Prerequisites:	None							
	Corequisites:	None							
	Description:	This course introduces economic analysis of aggregate employment, income, and prices. Topics include major schools of economic thought; aggregate supply and demand; economic measures, fluctuations, and growth; money and banking; stabilization techniques; and international trade. Upon completion, students should be able to evaluate national economic components, conditions, and alternatives for achieving socioeconomic goals.							
	back to top								

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EDUCATION (EDU)

		<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>p</u> <u>Credit</u>							
EDU-119	Introduction to Early Childhood Educat	ion 4	0	0	0	4							
	Prerequisites: None												
	Corequisites: None												
	 Description: This course introduces the foundations of early childhood education, the diverse educational settings for young children, professionalism and planning intentional developmentally appropriate experiences for each child. Topics include theoretical foundations, national early learning standards, NC Foundations for Early Learning and Development, state regulations, program types, career options, professionalism, ethical conduct, quality inclusive environments, and curriculum responsive to the needs of each child/family. Upon completion, students should be able to design a career/professional development plan, appropriate environments, schedules, and activity plans. Local Description: Observation / participation is required. 												
	Local Description: Observation / partic	ipation is 1	required										
	back	<u>to top</u>											
		<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>p</u> <u>Credit</u>							
EDU-131	Child, Family, and Community	3	0	0	0	3							
	Prerequisites: None												
	State Corequisites: Take DRE-097;												
	Description: This course covers the development of partnerships between culturally, linguistically and ability diverse families, children, schools and communities through the use of evidence-based strategies. Emphasis is placed on developing skills and identifying benefits for establishing, supporting, and maintaining respectful, collaborative relationships between diverse families, programs/schools, and community agencies/resources reflective of the NAEYC Code of Ethical Conduct. Upon completion, students should be able to identify appropriate relationship building strategies between diverse families, children, schools, and communities and demonstrate a variety of communication skills including appropriate use of technology to support every child.												
	Local Description: Observation / participation is required.												
	back	to top				back to top							

				P a g e 104			
		Class	Lab	<u>Clinical</u>	Work Ex	<u>ap</u> <u>Credit</u>	
EDU-144	Child Development I	3	0	0	0	3	

Prerequisites: None

State Corequisites: Take DRE-097;

Description: This course includes the theories of child development, observation and assessment, milestones, and factors that influence development, from conception through approximately 36 months. Emphasis is placed on knowledge, observation and assessment of developmental sequences in approaches to play/learning, emotional/social, health/physical, language/communication and cognitive domains. Upon completion, students should be able to compare/contrast typical/atypical developmental characteristics, explain biological and environmental factors that impact development, and identify evidence-based strategies for enhancing development for children that are culturally, linguistically, and ability diverse.

Local Description: Observation / participation is required.

back to top

		<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	Credit
EDU-145	Child Development II	3	0	0	0	3
	Local Prerequisites:	Take EDU-			44;	

State Corequisites: Take DRE-097;

Description: This course includes the theories of child development, observation and assessment, milestones, and factors that influence development, from preschool through middle childhood. Emphasis is placed on knowledge, observation and assessment of developmental sequences in approaches to play/learning, emotional/social, health/physical, language/communication and cognitive domains. Upon completion, students should be able to compare/contrast typical/atypical developmental characteristics, explain biological and environmental factors that impact development, and identify evidence-based strategies for enhancing development for children that are culturally, linguistically, and ability diverse.

Local Description: Observation / participation is required.

						Page 1	05
		<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Ex	<u> Credit</u>	
EDU-146	Child Guidance	3	0	0	0	3	

Prerequisites: None

State Corequisites: Take DRE-097;

Description: This course introduces evidence-based strategies to build nurturing relationships with each child by applying principles and practical techniques to facilitate developmentally appropriate guidance. Topics include designing responsive/supportive learning environments, cultural, linguistic and socioeconomic influences on behavior, appropriate expectations, the importance of communication with children/families including using technology and the use of formative assessments in establishing intentional strategies for children with unique needs. Upon completion, students should be able to demonstrate direct/indirect strategies to encourage social skills, selfregulation, emotional expression and positive behaviors while recognizing the relationship between children's social, emotional and cognitive development.

Local Description: Observation / participation is required.

back to top

		<u>Clas</u>	<u>ss</u> <u>Lab</u>	<u>Clinical</u>	Work Exp	Credit
EDU-151	Creative Activities	3	0	0	0	3

Prerequisites: None

State Corequisites: Take DRE-097;

Description: This course introduces developmentally supportive creative learning environments with attention to divergent thinking, creative problem-solving, evidence-based teaching practices, and open-ended learning materials while applying NC Foundations for Early Learning and Development. Emphasis is placed on observation of process driven learning experiences in art, music, creative movement, dance, and dramatics for every young child age birth through eight, integrated through all domains and academic content. Upon completion, students should be able to examine, create, and adapt developmentally creative learning materials, experiences, and environments for children that are culturally, linguistically, and ability diverse.

						Page	106
		<u>Class</u>	Lab	<u>Clinical</u>	Work Ex	<u>p</u> <u>Credit</u>	
EDU-153	Health, Safety and Nutrition	3	0	0	0	3	

Prerequisites: None

State Corequisites: Take DRE-097;

Description: This course covers promoting and maintaining the health and well-being of every child. Topics include health and nutritional guidelines, common childhood illnesses, maintaining safe and healthy learning environments, health benefits of active play, recognition and reporting of abuse/neglect, and state regulations. Upon completion, students should be able to apply knowledge of NC Foundations for Early Learning and Development for health, safety, nutritional needs and safe learning environments.

back to top

		<u>Class</u>	Lab	<u>Clinical</u>	Work Exp	Credit
EDU-162	Observ & Assess in ECE	3	0	0	0	3

Prerequisites: None

State Corequisites: Take DRE-097;

Description: This course introduces the research, benefits, goals, and ethical considerations associated with observation and formative assessment in early childhood education. Emphasis is placed on the implementation of multiple observation/assessment strategies including anecdotal records, event samples, rating scales, and portfolios to create appropriate learning experiences. Upon completion, students should be able to practice responsible assessment and effectively use tools to assess the child, teacher practices and indoor and outdoor environments to enhance programming; and explain the importance of assessment partnerships with families and other professionals.<u>back to top</u>

Class

3

0

Lab Clinical Work Exp Credit

0

3

0

EDU-216 Foundations of Education

Prerequisites: None

State Corequisites: Take DRE-098;

Description: This course introduces the examination of the American educational systems and the teaching profession. Topics include the historical and philosophical influences on education, various perspectives on educational issues, and experiences in birth through grade 12 classrooms. Upon completion, students should be able to reflect on classroom observations, analyze the different educational approaches, including classical/traditional and progressive, and have knowledge of the various roles of educational systems at the federal, state and local level.<u>back to top</u> Page | 107ClassLabClinical Work ExpCreditEDU-221Children with Exceptionalities30003

State Prerequisites: Take One Set:

Set 1: Take EDU-144, EDU-145;

Set 2: Take PSY-244, PSY-245;

State Corequisites: Take DRE-098;

Description: This course covers atypical patterns of child development, inclusive/diverse settings, evidenced-based educational/family plans, differentiated instruction, adaptive materials, and assistive technology. Emphasis is placed on the characteristics of exceptionalities and delays, early intervention/special education, transitions, observation, developmental screening, formative assessment of children, and collaborating with families and community partners. Upon completion, students should be able to recognize diverse abilities, describe the referral process, identify community resources, explain the importance of collaboration with families/professionals, and develop appropriate strategies/adaptations to support children in all environments with best practices as defined by laws, policies and the NC Foundations for Early Learning and Development.

Local Description: Observation / participation is required.

back to top

		Class	Lab	<u>Clinical</u>	Work Exp	Credit
EDU-234	Infants, Toddlers, and Twos	3	0	0	0	3

State Prerequisites: Take EDU-119;

State Corequisites: Take DRE-098;

Description: This course covers the development of high-quality, individualized, responsive/engaging relationships and experiences for infants, toddlers, and twos. Emphasis is placed on typical and atypical child development, working with diverse families to provide positive, supportive, and engaging early learning activities and interactions through field experiences and the application of the NC Foundations for Early Learning and Development. Upon completion, students should be able to demonstrate responsive curriculum planning, respectful relationships and exposure to a variety of developmentally appropriate experiences/materials that support a foundation for healthy development and growth of culturally, linguistically and ability diverse children birth to 36 months.

Local Description: Observation / participation is required.

					Page 108
	<u>Class</u>	Lab	<u>Clinical</u>	Work Ex	<u>p</u> Credit
EDU-234A Infants / Toddlers / Twos Lab	0	2	0	0	1

State Prerequisites: None

State Corequisites: Take DRE-098 and EDU-234;

Description: This course focuses on practical applications that support the healthy development of children birth to 36 months by applying principles of quality, individualized, responsive/engaging relationships and experiences. Emphasis is placed on typical and atypical child development, positive early learning experiences, supporting and engaging diverse families, providing safe, warm and nurturing interactions, and the application of the NC Foundations for Early Learning and Development. Upon completion, students should be able to demonstrate the ability to engage in respectful, responsive care to support a foundation for healthy development and growth of children birth to 36 months culturally, linguistically, and ability diverse through responsive planning and positive exposure to a variety of experiences/materials.

Local Description: Observation / participation is required.

back to top

			<u>Class</u>	Lab	<u>Clinical</u>	Work Ex	<u>p</u> Credit	
EDU-250	Teacher Licer	nsure Preparation	3	0	0	0	3	
	State Prerequi	isites: None						
	State Corequi	sites: Take One Set:						
		Set 1: ENG-111 and I	MAT-143	•				
		Set 2: ENG-111 and I	MAT-152	•				
		Set 3: ENG-111 and I	MAT-171	;				
	Description:	on: This course provides information and strategies necessary for transfer to teacher licensure program at a senior institution. Topics include entry l teacher licensure exam preparation, performance based assessment syst requirements for entry into teacher education programs, the process to become a licensed teacher in North Carolina, and professionalism inclu						

become a licensed teacher in North Carolina, and professionalism including expectations within the field of education. Upon completion, students should be able to utilize educational terminology and demonstrate knowledge of teacher licensure processes including exam preparation, technology based portfolio assessment, and secondary admissions processes to the school of education at a senior institution.
			Class	T - 1-	Clinical	West Fr	Page 109
EDU 250	Curri culure D	longing	<u>Class</u>	Lab	Clinical	WORK EX	<u>p Credit</u>
EDU-259			3	0	0	0	3
	State Prerequi						
	State Corequi	sites: Take DRE-098;					
	Description:	This course is designed to f developmentally effective a diverse young children. Top of curriculum models, auth developmentally appropriat for Early Learning and Dev able to understand, evaluate needs. <u>back to top</u>	approache pics inclu entic obset te experie velopmen e, and use	asing co es for cu de com ervation ences al t. Upon e curricu	ontent kno ulturally/li ponents o n and asses igned with completio ulum to pl	wledge to nguistical f curriculu ssment, an h the NC F on, studen an for indi	build ly/ability um, a variety ad planning Foundations ts should be ividual/group
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Ex	<u>p</u> <u>Credit</u>
EDU-261	Early Childho	ood Administration I	3	0	0	0	3
	Prerequisites:	None					
	State Corequi	sites: Take EDU-119, DRE-	098;				
	Description:	This course introduces prin supporting child care admin policies and procedures, No personnel and fiscal manag Supplement for Early Child students should be able to a philosophy, locate current s and examine comprehensiv	ciples and nistrators. C Child C ement, ar lhood Pro articulate state licente e program	d practi Topics Care Lav nd NAE ogram A a devel nsing re n polici	ces essent s include p w and Rule EYC Code Administra opmentall gulations, ies and pro	ial to prep program pl es, busines of Ethical tion. Upor y appropri analyze a pcedures. <u>b</u>	aring and nilosophy, ss planning, l Conduct n completion, iate program business plan ack to top
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Ex	<u>p</u> <u>Credit</u>
EDU-262	Early Childho	ood Administration II	3	0	0	0	3
	State Prerequi	isites: Take All: DRE-098, E	DU-119 a	and ED	U-261;		
	State Corequi	sites: None					
	Description:	This course focuses on adv outreach and program quali- programs. Topics include p early childhood professiona volunteer and community in completion, students should early childhood programs, o community into programs.	ocacy/lea ity/evalua rogram e al organiz nvolveme d be able develop s <u>pack to to</u>	dership ation for valuations, ent and to defir trategie	o, public re r diverse e on/accredi leadership early child he and eva es for advo	elations/co arly child tation, inv o/mentorin lhood adv luate all co ocacy and	ommunity hood olvement in ng, family, ocacy. Upon omponents of integrate

						Page 110
		<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Ex	p <u>Credit</u>
EDU-271	Educational Technology	2	2	0	0	3

Prerequisites: None

State Corequisites: Take DRE-098;

Description: This course introduces the ethical use of technology to enhance teaching and learning in all educational settings. Emphasis is placed on technology concepts, ethical issues, digital citizenship, instructional strategies, assistive technology, and the use of technology for professional development and communication. Upon completion, students should be able to discuss technology concepts, ethically use a variety of technology resources, demonstrate appropriate technology skills in educational environments, and identify assistive technology.

Local Description: Observation / participation is required.

back to top

		<u>Class</u>	Lab	<u>Clinical</u>	Work Exp	Credit
EDU-280	Language and Literacy Experiences	3	0	0	0	3

Prerequisites: None

State Corequisites: Take DRE-098;

Description: This course provides evidence-based strategies for enhancing language and literacy experiences that align with NC Foundations for Early Learning and Development. Topics include developmental sequences for children's emergent receptive and expressive language, print concepts, appropriate observations/assessments, literacy enriched environments, quality selection of diverse literature, interactive media, and inclusive practices. Upon completion, students should be able to select, plan, implement and evaluate developmentally appropriate language and literacy experiences for children who are culturally, linguistically and ability diverse.

Page | 111

			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>o Credit</u>
EDU-284	Early Childhood C	Capstone Practicum	1	9	0	0	4
	State Prerequisites	: Take 1 Set:					
		Set 1: Take EDU-119,	, EDU-14	4, EDU	J-145, ED	U-146, ED)U-151;
		Set 2: Take EDU-119,	, EDU-14	6, EDU	J-151, PS	Y-244, PSY	Y-245;
		Set 3: Take EDU-119,	, EDU-14	4, EDU	J-146, ED	U-151, PS	Y-245;
		Set 4: Take EDU-119,	, EDU-14	5, EDU	J-146, ED	U-151, PS	Y-244;

State Corequisites: Take DRE-098;

Description: This course is designed to allow students to demonstrate acquired skills in a three star (minimum) or NAEYC accredited or equivalent, quality early childhood environment. Emphasis is placed on designing, implementing and evaluating developmentally appropriate activities and environments for all children; supporting/engaging families; and modeling reflective and professional practices based on national and state guidelines. Upon completion, students should be able to apply NC Foundations for Early Learning and Development to demonstrate developmentally appropriate plans/assessments, appropriate guidance techniques and ethical/professional behaviors, including the use of appropriate technology, as indicated by assignments and onsite faculty assessments.

back to top

ELECTRONICS (ELN)

		<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>Credit</u>
ELN-114	Marine Electronics	1	2	0	0	2

Prerequisites: None

Corequisites: None

Description: This course introduces a wide variety of marine electronics that are used in the marine research industry. Topics include basic theory, AC/DC power systems, components, circuits, testing, troubleshooting, and installation of AC and DC electronics. Upon completion student should be able to install, maintain, and operate basic marine electronics used in the marine research industry.

Page | 112

EMERGENCY MEDICAL SCIENCE (EMS)

			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	Credit
EMS-110	EMT		6	6	3	0	9
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course introduces basic preparatory, airway, patient infants and children, and op able to demonstrate the kno Carolina State or National F	c emerger assessme erations. wledge ar Registry E	ncy mee ent, mee Upon c nd skill EMT ce	dical care. dical emer completion s necessar rtification	Topics inc gencies, tra n, students s y to achiev	lude tuma, should be e North

Course Restriction: Must be enrolled in the Emergency Medical Science Program.

back to top

		<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	Credit
EMS-122	EMS Clinical Practicum I	0	0	3	0	1

State Prerequisites: Take EMS-110

State Corequisites: None

Description: This course provides the introductory hospital clinical experience for the paramedic student. Emphasis is placed on mastering fundamental paramedic skills. Upon completion, students should be able to demonstrate competency with fundamental paramedic level skills.

Course Restriction: Must be enrolled in the Emergency Medical Science Program.

back to top

Clinical Work Exp Credit Class Lab 3 3 0 0 EMS-130 Pharmacology 4 State Prerequisites: Take EMS-110; State Corequisites: None This course introduces the fundamental principles of pharmacology and Description: medication administration and is required for paramedic certification. Topics include medical terminology, pharmacological concepts, weights, measures, drug calculations, vascular access for fluids and medication administration and legislation. Upon completion, students should be able to accurately calculate drug dosages, properly administer medications, and demonstrate

Course Restriction: Must be enrolled in the Emergency Medical Science Program.

back to top

general knowledge of pharmacology.

			<u>Class</u>	Lab	Clinical	Work	Fa Exp <u>Cr</u>	ge 11 redit
EMS-131	Advanced Air	way Management	1	2	0	0	_	2
	State Prerequi	sites: Take EMS-110;						
	Corequisites:	None						
	Description:	This course is designed to and is required for parame guidelines for advanced a completion, students shou and pharmacology associa	provide a edic certifi irway man Ild be able ated with a	dvanced cation. agemer to prop irway c	d airway n Topics mu nt in the pr erly utilize control and	nanager ist meet re-hospi e all air l mainte	nent teo curren tal setti way ad enance.	chniques t ing. Upo juncts
	Course Rea	striction: Must be enrolle	d in the E	merger	ncy Medic	al Scie	nce Pro	ogram.
		back t	<u>o top</u>					
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work	<u>Exp</u> <u>Cr</u>	<u>edit</u>
EMS-160	Cardiology I		2	3	0	0		3
	State Prerequi	sites: Take EMS-110;						
	State Prerequi Corequisites: Description:	sites: Take EMS-110; None This course introduces the	e study of o	cardiova	ascular em	nergenci	es and	is
	State Prerequi Corequisites: Description:	sites: Take EMS-110; None This course introduces the required for paramedic ce pathophysiology, electrop completion, students shou	e study of o rtification. hysiology ild be able	cardiova Topics , and rh to reco	ascular em include a ythm inter gnize and	nergenci natomy pretatic interpre	es and and ph on. Upo et rhyth	is ysiolog n ms.
C	State Prerequi Corequisites: Description: ourse Restricti	sites: Take EMS-110; None This course introduces the required for paramedic ce pathophysiology, electrop completion, students shou on: Must be enrolled in th	e study of o rtification. hysiology ild be able he Emerge	cardiova Topics , and rh to reco ency M	ascular em include a ythm inter gnize and edical Sci	nergenci natomy pretatic interpre ence Pi	es and and ph on. Upo et rhyth cogram	is ysiolog <u>y</u> n ms. 1.
C	State Prerequi Corequisites: Description: ourse Restricti	sites: Take EMS-110; None This course introduces the required for paramedic ce pathophysiology, electrop completion, students shou on: Must be enrolled in th back t	e study of o rtification. hysiology ild be able he Emergo o top	cardiova Topics , and rh to reco ency M	ascular em include a ythm inter gnize and edical Sci	nergenci natomy pretatic interpre ence Pi	es and and ph on. Upo et rhyth cogram	is ysiolog n ms. .
C	State Prerequi Corequisites: Description: ourse Restricti	sites: Take EMS-110; None This course introduces the required for paramedic ce pathophysiology, electrop completion, students shou on: Must be enrolled in th back t	e study of o rtification. hysiology ild be able he Emerge o top <u>Class</u>	cardiova Topics , and rh to reco ency M Lab	ascular em include a ythm inter gnize and edical Sci <u>Clinical</u>	nergenci natomy pretatic interpre ence Pr <u>Work</u>	ies and and ph on. Upo et rhyth cogram <u>Exp</u> <u>Cr</u>	is ysiolog n ms. . edit
Co EMS-220	State Prerequi Corequisites: Description: ourse Restricti	sites: Take EMS-110; None This course introduces the required for paramedic ce pathophysiology, electrop completion, students shou on: Must be enrolled in th back t	e study of o rtification. hysiology ild be able he Emergo <u>o top</u> <u>Class</u> 2	cardiova Topics , and rh to reco ency M Lab 3	ascular em include a ythm inter gnize and edical Sci <u>Clinical</u> 0	nergenci natomy pretatic interpre ence Pr <u>Work</u>	ies and and ph on. Upo et rhyth cogram <u>Exp</u> <u>Cr</u>	is lysiolog m ms. . e <u>edit</u> 3
C4 EMS-220	State Prerequi Corequisites: Description: ourse Restricti Cardiology II State Prerequi	sites: Take EMS-110; None This course introduces the required for paramedic ce pathophysiology, electrop completion, students shou on: Must be enrolled in th back t	e study of o rtification. hysiology ild be able he Emergo <u>Class</u> 2 S-130, EM	cardiova Topics , and rh to reco ency M <u>Lab</u> 3 IS-160;	ascular em include a ythm inter gnize and edical Sci <u>Clinical</u> 0	nergenci natomy pretatic interpre ence Pi <u>Work</u>	ies and and ph on. Upo et rhyth cogram <u>Exp</u> <u>Cr</u>	is ysiology ms. <u>redit</u> 3
C4 EMS-220	State Prerequi Corequisites: Description: ourse Restricti Cardiology II State Prerequi Corequisites:	sites: Take EMS-110; None This course introduces the required for paramedic ce pathophysiology, electrop completion, students shou on: Must be enrolled in th back t sites: Take EMS-122, EM	e study of o rtification. hysiology. Id be able he Emergo <u>Class</u> 2 S-130, EM	cardiova Topics , and rh to reco ency M Lab 3 IS-160;	ascular em include a ythm inter gnize and edical Sci <u>Clinical</u> 0	nergenci natomy pretatic interpre ence Pi <u>Work</u>	ies and and ph on. Upo et rhyth cogram <u>Exp</u> <u>Cr</u>	is ysiolog ms. n. <u>edit</u> 3
C4 EMS-220	State Prerequi Corequisites: Description: ourse Restricti Cardiology II State Prerequi Corequisites: Description:	sites: Take EMS-110; None This course introduces the required for paramedic ce pathophysiology, electrop completion, students shou on: Must be enrolled in th back t sites: Take EMS-122, EM None This course provides an ir required for paramedic ce of cardiac emergencies, ca completion, students shou	e study of o rtification. hysiology ild be able he Emergo <u>Class</u> 2 S-130, EM n-depth stur rtification. ardiac phan	cardiova Topics , and rh to reco ency M <u>Lab</u> 3 IS-160; dy of ca Topics rmacolo to man	ascular em include a ythm inter gnize and edical Sci Clinical 0 ardiovascu include a ogy, and pa age the car	ergenci natomy pretatic interpre ence Pr <u>Work</u> 0 ular eme ssessme atient ca rdiac pa	ergencident and phon. Upon the rhyth the rhyth the rogram Exp Cr Exp Cr ergencident and the rest of the rest of the rest the rest of the r	is sysiology ms. h. redit 3 es and is treatment on
C4 EMS-220	State Prerequi Corequisites: Description: ourse Restricti Cardiology II State Prerequi Corequisites: Description: Course Res	sites: Take EMS-110; None This course introduces the required for paramedic ce pathophysiology, electrop completion, students shou on: Must be enrolled in th back t sites: Take EMS-122, EM None This course provides an ir required for paramedic ce of cardiac emergencies, ca completion, students shou	e study of o rtification. hysiology ild be able he Emergo <u>Class</u> 2 S-130, EM n-depth stu rtification. ardiac phan ild be able d in the E	cardiova Topics , and rh to reco ency M <u>Lab</u> 3 IS-160; dy of ca . Topics rmacolo to man merger	ascular em include a ythm inter gnize and edical Sci <u>Clinical</u> 0 ardiovascu include a ogy, and pa age the can	ergenci natomy pretatic interpre ence Pr <u>Work</u> 0 ular eme ssessme atient ca rdiac pa cal Scie	es and and ph on. Upo t rhyth cogram <u>Exp Cr</u> <u>Exp Cr</u> ergencid ent and are. Upo ttient. nce Pro	is sysiology ms. . <u>redit</u> 3 es and is treatment on ogram.

			Class	Lab	Clinical	Work Ex	Page 114 p Credit
EMS-221	EMS Clinical	Practicum II	0	<u>Dao</u> 0	<u>ennieur</u> 6	0	2
	State Prerequi	sites: Take One: EMS-121	or EMS-1	22.	0	Ū	2
	Corequisites:	None		,			
	Description:	This course provides clinic Emphasis is placed on incl abilities in patient assessm students should be able to patient care.	cal experie reasing the lents and t demonstra	ences in e profic he deliv ate cont	the hospi iency of st very of car inued prog	tal and/or tudents' sk re. Upon c gress in ad	field. ills and ompletion, lvanced-level
	Course Rea	striction: Must be enrolle	d in the E	merger	ncy Medic	al Scienc	e Program.
		back to	o top				
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Ex	p <u>Credit</u>
EMS-231	EMS Clinical	Practicum III	0	0	9	0	3
	State Prerequi	sites: Take EMS-221					
	Corequisites:	None					
	-						
	Description:	This course provides clinic Emphasis is placed on enh advanced-level care. Upor demonstrate continued pro	cal experies ancing the completion completion	ences in e studer on, stuc dvance	the hospi nts' skills a lents shou d-level pat	tal and/or nd abilitic ld be able ient care.	field. es in providing to
	Description: Course Re	This course provides clinic Emphasis is placed on enh advanced-level care. Upor demonstrate continued pro	cal experie hancing the completing of the ogress in a d in the E	ences in e studer on, stuc dvancee merge r	the hospi nts' skills a lents shou d-level pat ncy Medic	tal and/or nd abilitie ld be able ient care.	field. es in providing to e Program.
	Description: Course Rea	This course provides clinic Emphasis is placed on enh advanced-level care. Upor demonstrate continued pro striction: Must be enrolled back to	cal experie bancing the completi ogress in a d in the E	ences in e studer on, stuc dvanceo merger	the hospi hts' skills a lents shou d-level pat hcy Medic	tal and/or ind abilitie ld be able cient care. cal Science	field. es in providing to e Program.
	Description: Course Rea	This course provides clinic Emphasis is placed on enh advanced-level care. Upor demonstrate continued pro striction: Must be enrolled back te	cal experie bancing the completi ogress in a d in the E <u>o top</u> <u>Class</u>	ences in e studer on, stuc dvance merger <u>Lab</u>	the hospi nts' skills a dents shou d-level pat ncy Medic <u>Clinical</u>	tal and/or ind abilitie ld be able cient care. cal Scienc e	field. es in providing to e Program. p <u>Credit</u>
EMS-235	Description: Course Rea	This course provides clinic Emphasis is placed on enh advanced-level care. Upor demonstrate continued pro striction: Must be enrolled back to	cal experie ancing the completi ogress in a d in the E <u>o top</u> <u>Class</u> 2	ences in e studer on, stuc dvance merger <u>Lab</u> 0	the hospi hts' skills a dents shou d-level pat hcy Medic <u>Clinical</u> 9	tal and/or ind abilitie ld be able tient care. cal Science <u>Work Ex</u> 0	field. es in providing to e Program. <u>p Credit</u> 2
EMS-235	Description: Course Rea EMS Manage State Prerequi	This course provides clinic Emphasis is placed on enh advanced-level care. Upor demonstrate continued pro striction: Must be enrolled back te ment sites: None	cal experie ancing the completi ogress in a d in the E <u>o top</u> <u>Class</u> 2	ences in e studer on, stuc dvance merger <u>Lab</u> 0	a the hospi hts' skills a lents shou d-level pat ncy Medic <u>Clinical</u> 9	tal and/or ind abilitie ld be able tient care. cal Scienc <u>Work Ex</u> 0	field. es in providing to e Program. <u>p</u> <u>Credit</u> 2
EMS-235	Description: Course Rea EMS Manage State Prerequi Corequisites:	This course provides clinic Emphasis is placed on enh advanced-level care. Upor demonstrate continued pro striction: Must be enrolled back to ment sites: None None	cal experie ancing the completiogress in a d in the E <u>o top</u> <u>Class</u> 2	ences in e studer on, stud dvanced merger <u>Lab</u> 0	a the hospi hts' skills a lents shou d-level pat ncy Medic <u>Clinical</u> 9	tal and/or and abilitie ld be able cient care. cal Science <u>Work Ex</u> 0	field. es in providing to e Program. <u>p Credit</u> 2
EMS-235	Description: Course Real EMS Manage State Prerequi Corequisites: Description:	This course provides clinic Emphasis is placed on enh advanced-level care. Upor demonstrate continued pro striction: Must be enrolled back to back to ment sites: None None This course stresses the pr service system. Topics inc governments, EMS grants management, legal issues, Upon completion, students managing emergency med	cal experies ancing the completi- ogress in a d in the E <u>o top</u> <u>Class</u> 2 inciples of lude struc manship, f and other s should b ical service	ences in e studer on, stud dvanced merger <u>Lab</u> 0 f manag ture and finance, topics : e able to ce delive	a the hospi nts' skills a dents shou d-level pat ncy Medic <u>Clinical</u> 9 ging a mod d function , regulator relevant to o understa ery system	tal and/or ind abilitie ld be able cient care. cal Science <u>Work Ex</u> 0 lern emerg of munici y agencies o the EMS nd the primas.	field. es in providing to e Program. p <u>Credit</u> 2 gency medical pal s, system manager. nciples of

			<u>Class</u>	Lab	Clinical	Work Exp	Page 115 <u>p</u> <u>Credit</u>
EMS-240	Patients with	Special Challenges	1	2	0	0	2
	State Prerequi	sites: Take All: EMS-122, I	EMS-130;	;			
	Corequisites:	None					
	Description:	This course includes conce interacting with patients wi paramedic certification. To interaction for neglected, a assisted, bariatric, physical patients as well as behavious should be able to recognize challenges. Course Restric Medical Science Program	pts of cris th special opics inclu- bused, ter ly challen ral emerge and man tion: Mu	is inter challe ude app minally ged, m encies. age the st be en	vention ar nges and i propriate in ill, chron entally cha Upon con care of pa nrolled in	nd techniques required nterventior ically ill, t allenged, o npletion, s atients with the Emer	tes of for and echnology or assaulted tudents a special gency
		back to	top				
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>p</u> Credit
EMS-241	EMS Clinical	Practicum IV	0	0	12	0	4
	State Prerequi	sites: Take EMS-231					
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course provides clinic	al experie	ences in	the hospi	tal and/or	field.

Emphasis is placed on mastering the skills/competencies required of the paramedic providing advanced-level care. Upon completion, students should be able to provide advanced-level patient care as an entry-level paramedic.

Course Restriction: Must be enrolled in the Emergency Medical Science Program.

			<u>Class</u>	Lab	<u>Clinical</u>	Work Ex	Page 116 ap <u>Credit</u>
EMS-250	Medical Emer	gencies	3	3	0	0	4
	State Prerequi	sites: Take All: EMS-122, I	EMS-130	•			
	Corequisites:	None					
	Description:	This course provides an in- encountered in the prehosp certification. Topics includ disorders / diseases / injuri neurological, abdominal / g	depth stu ital settin le approp es affectir gastrointes	dy of m g and is riate in ng the f stinal, e	nedical cor s required terventions ollowing s endocrine,	nditions fr for param s / treatmo systems: 1 genitouring	requently edic ents for respiratory, nary,

back to top

		Clas	<u>s Lab</u>	<u>Clinical</u>	<u>Work Exp</u>	Credit
EMS-260	Trauma Emergencies	1	3	0	0	2

State Prerequisites: Take All: EMS-122, EMS-130;

Corequisites: None

Description: This course provides in-depth study of trauma including pharmacological interventions for conditions frequently encountered in the prehospital setting and is required for paramedic certification. Topics include an overview of thoracic, abdominal, genitourinary, orthopedic, neurological, and multi-system trauma, soft tissue trauma of the head, neck, and face as well as environmental emergencies. Upon completion, students should be able to recognize and manage trauma situations based upon patient assessment and should adhere to standards of care.

Course Restriction: Must be enrolled in the Emergency Medical Science Program.

Page | 117

		<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>Credit</u>
EMS-270	Life Span Emergencies	3	3	0	0	4

State Prerequisites: Take All: EMS-122, EMS-130;

Corequisites: None

Description: This course covers medical/ethical/legal issues and the spectrum of agespecific emergencies from conception through death required for paramedic certification. Topics include gynecological, obstetrical, neonatal, pediatric, and geriatric emergencies and pharmacological therapeutics. Upon completion, students should be able to recognize and treat age-specific emergencies.

Course Restriction: Must be enrolled in the Emergency Medical Science Program.

back to top

		<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>Credit</u>
EMS-280	EMS Bridging Course	2	2	0	0	3
	Prerequisites: None					

Corequisites: None

Description: This course is designed to bridge the knowledge gained in a continuing education paramedic program with the knowledge gained in an EMS curriculum program. Emphasis is placed on patient assessment, advanced electrocardiography utilizing the twelve-lead ECG, advanced pharmacology, the appropriate intervention and treatment of multi-system injuries / disorders, ethics, and NC laws and rules. Upon completion, students should be able to perform advanced patient assessment and practice skills.

Course Restriction: Must be enrolled in the Emergency Medical Science Bridging Program.

Page | 118ClassLabClinicalWork Exp CreditEMS-285EMS Capstone13002

State Prerequisites: Take EMS-220, EMS-250, EMS-260;

Corequisites: None

Description: This course provides an opportunity to demonstrate problem-solving skills as a team leader in simulated patient scenarios and is required for paramedic certification. Emphasis is placed on critical thinking, integration of didactic and psychomotor skills, and effective performance in simulated emergency situations. Upon completion, students should be able to recognize and appropriately respond to a variety of EMS-related events.

Course Restriction: Must be enrolled in the Emergency Medical Science Program.

back to top

ENGINEERING (EGR)

		<u>Class</u>	Lab	<u>Clinical</u>	<u>Work Exp</u>	Credit
EGR-150	Intro to Engineering	1	2	0	0	2

Prerequisites: None

Corequisites: None

Description: This course is an overview of the engineering profession. Topics include goal setting and career assessment, ethics, public safety, the engineering method and design process, written and oral communication, interpersonal skills and team building, and computer applications. Upon completion, students should be able to understand the engineering process, the engineering profession, and utilize college resources to meet their educational goals.

Class

Lab

Clinical Work Exp Credit

back to top

			01000	<u></u>	<u></u>	<u> </u>	010010	
EGR-210	Intro to Elec/O	Comp Eng Lab	1	3	0	0	2	
	Prerequisites:	Take All: MAT-271 and Pl	HY-251;					
	Corequisites:	None						
	Description:	This course provides an over through a lecture and laboral concepts, electronic circuits signal processing. Upon cor- wide range of fields availab	erview of tory setting digital of to the de to the	electri ing. To circuits studen electric	cal and co pics includ , commun its should cal or comp	mputer engine le fundamentication system be able to deserved to de	ineering, ntal ems, and iscuss the eer.	
		back to	ton					

			<u>Class</u>	Lab	Clinical	Work Exp	<u>Credit</u>
EGR-212	Logic System	Design I	3	0	0	0	3
	Prerequisites:	Take All: MAT-271 and	PHY-251				
	Corequisites:	None					
	Description:	This course provides an in include Boolean Algebra; introduction to sequential completion, students show systems.	ntroduction mixed log systems; a ild be able	to digi ic; desi and MS to anal	tal circuits gn of com I building yze and de	s and analy binational blocks. Up sign digita	vsis. Topics circuits; pon l circuits an
		back t	<u>o top</u>				
			<u>Class</u>	Lab	Clinical	Work Exp	<u>Credit</u>
EGR-214	Num Methods	for Engineers	3	0	0	0	3
	Prerequisites:	Take MAT-272					
	Corequisites:	None					
		integration, root-finding, I students should be able to concepts involving decisio common numerical metho amount of error inherent i numerical efficiency; met convergence properties of	linear and demonstra on making ods used in n different hod assess different i	non-line ate: bas ,loops, engine numer ment of numeric	ear regress ic structure functions, ering anal ical metho numerica cal method	sions. Upor ed program and param ysis; estim ds; assessr l efficiency ls.	n completion nming leter passing ation of the nent of y; and
		back t	<u>to top</u>				
		<u>back</u> t	<u>o top</u> <u>Class</u>	<u>Lab</u>	<u>Clinical</u>	<u>Work Exp</u>	<u>o Credit</u>
EGR-215	Network Theo	<u>back t</u> ory I	<u>o top</u> <u>Class</u> 3	<u>Lab</u> 0	<u>Clinical</u> 0	<u>Work Exr</u> 0	o <u>Credit</u> 3
EGR-215	Network Theo Prerequisites:	<u>back t</u> ory I Take All: MAT-271 and	<u>o top</u> <u>Class</u> 3 PHY-251;	<u>Lab</u> 0	<u>Clinical</u> 0	<u>Work Exp</u> 0	<u>o Credit</u> 3
EGR-215	Network Theo Prerequisites: Corequisites:	<u>back t</u> ory I Take All: MAT-271 and Take PHY-252 and MAT	<u>o top</u> <u>Class</u> 3 PHY-251; -273;	<u>Lab</u> 0	<u>Clinical</u> 0	<u>Work Exp</u> 0	<u>o Credit</u> 3

			<u>Class</u>	<u>Lab</u>	Clinical	Work Ex	p <u>Credit</u>
EGR-216	Logic and Net	work Lab	0	3	0	0	1
	Prerequisites:	Take All: MAT-272 and Pl	HY-251;				
	Corequisites:	Take EGR-215					
	Description:	This course provides laboral logic design and laboratory network measurement and a introduction to laboratory extudents should be able to c be able to use laboratory eq	tory expo equipme applicatio quipmen omplete uipment	eriment ent and ons, exp t and te networl with pr	s in netwo techniques perimental chniques. k measure oper techr	ork measur s. Topics i logic desi Upon com ment logic hiques.	rements and nclude gn and upletion, c design and
		back to	top				
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Ex	p Credit
EGR-220	Engineering S	tatics	3	0	0	0	3
	Prerequisites:	Take PHY-251;					
	-						
	Corequisites:	Take MAT-272;	onconta	ofongi	naaring ha	and on for	in in
	Corequisites: Description:	Take MAT-272; This course introduces the c equilibrium. Topics include due to friction, and inertia a Upon completion, students the ability to analyze system	concepts concent s they ap should b ns of force	of engi rated fo ply to r e able to ces in st	neering ba prces, distr machines, o solve pro catic equili	ised on for ibuted for structures oblems wh brium.	rces in ces, forces , and system nich require
	Corequisites: Description:	Take MAT-272; This course introduces the c equilibrium. Topics include due to friction, and inertia a Upon completion, students the ability to analyze system <u>back to</u>	concepts concent s they ap should b ns of forc top	of engi rated fo oply to r e able to ces in st	neering ba orces, distr machines, o solve pro tatic equili	ised on for ibuted for structures oblems wh brium.	rces in ces, forces , and system nich require
	Corequisites: Description:	Take MAT-272; This course introduces the c equilibrium. Topics include due to friction, and inertia a Upon completion, students the ability to analyze system <u>back to</u>	concepts concent s they ap should be ns of forc top <u>Class</u>	of engi rated fo oply to r e able to ces in st <u>Lab</u>	neering ba orces, distr machines, o solve pro tatic equili <u>Clinical</u>	ised on for ibuted for structures oblems wh brium. <u>Work Ex</u>	rces in ces, forces , and system nich require <u>p Credit</u>
EGR-225	Corequisites: Description: Engineering D	Take MAT-272; This course introduces the c equilibrium. Topics include due to friction, and inertia a Upon completion, students the ability to analyze system <u>back to</u>	concepts concent s they ap should be ns of forc top <u>Class</u> 3	of enginated for oply to reable to ces in structures Lab 0	neering ba orces, distr machines, o solve pro catic equili <u>Clinical</u> 0	ised on for ibuted for structures oblems wh brium. <u>Work Ex</u> 0	rces in ces, forces , and system nich require <u>p Credit</u> 3
EGR-225	Corequisites: Description: Engineering D Prerequisites:	Take MAT-272; This course introduces the c equilibrium. Topics include due to friction, and inertia a Upon completion, students the ability to analyze system <u>back to</u> Oynamics Take EGR-220;	concepts concent s they ap should be ns of force top <u>Class</u> 3	of engi rated fo pply to r e able to ces in st <u>Lab</u> 0	neering ba orces, distr machines, o solve pro catic equili <u>Clinical</u> 0	ised on for ibuted for structures oblems wh brium. <u>Work Ex</u> 0	rces in ces, forces , and system nich require <u>p Credit</u> 3
EGR-225	Corequisites: Description: Engineering D Prerequisites: Corequisites:	Take MAT-272; This course introduces the c equilibrium. Topics include due to friction, and inertia a Upon completion, students the ability to analyze system <u>back to</u> Dynamics Take EGR-220; Take MAT-273;	concepts concent s they ap should be ns of force top <u>Class</u> 3	of engin rated for oply to r e able to ces in st <u>Lab</u> 0	neering ba orces, distr machines, o solve pro catic equili <u>Clinical</u> 0	ised on for ibuted for structures oblems wh brium. <u>Work Ex</u> 0	rces in ces, forces , and system nich require <u>p Credit</u> 3
EGR-225	Corequisites: Description: Engineering D Prerequisites: Corequisites: Description:	Take MAT-272; This course introduces the c equilibrium. Topics include due to friction, and inertia a Upon completion, students the ability to analyze system <u>back to</u> Dynamics Take EGR-220; Take MAT-273; This course introduces the c motion in Cartesian, cylindri include the two and three di the forces associated with the coordinate systems. Upon c problems which require the in a dynamic system.	concepts concepts s they ap should be ns of force <u>top</u> <u>Class</u> 3 concepts rical, and imension nat motice ompletion ability to	of enginated for poly to re- e able to ces in standard <u>Lab</u> 0 of enginal spherio al motion, and to on, stude on analyz	neering ba orces, distr machines, o solve pro catic equili <u>Clinical</u> 0 neering ba cal coordin on of parti relative me ents should ze the mot	sed on for ibuted for structures oblems wh brium. <u>Work Ex</u> 0 used on the nate system cles and r otion betwo d be able t ion and fo	rces in ces, forces , and system nich require <u>p Credit</u> <u>3</u> e analysis of ns. Topics igid bodies, veen two to solve rces involve

						Page 1	121
		Class	<u>Lab</u>	<u>Clinical</u>	Work Ex	<u>p</u> Credit	
EGR-228	Intro to Solid Mechanics	3	0	0	0	3	

Prerequisites: Take EGR-220;

Corequisites: None

Description: This course provides an introduction to engineering theory of deformable solids and applications. Topics include stress and deformation resulting from axial, torsion, and bending loads; shear and moment diagrams; Mohr's circle of stress; and strain and buckling of columns. Upon completion, students should be able to analyze solids subject to various forces and design systems using a variety of materials.

back to top

ENGLISH (ENG)

		<u>(</u>	<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	Credit
ENG-001	English Skills Support		0	2	0	0	1

Prerequisites: None

Corequisites: None

Description: This course is designed to supplement the skills introduced in ENG-111 with emphasis placed on the editing and revision components of the writing process. Topics include concepts, skills, writing in a variety of genres and formats using a recursive process, and effective use of rhetorical strategies, with emphasis placed on the editing and revision components of the writing process. Upon completion, students should be able to produce unified, coherent, well-developed essays using standard written English.back to top

Class

0

6

ENG-002 Transition English

Prerequisites: None

Corequisites: None

Description: This course provides an opportunity to customize foundational English content in specific areas and will include developing a growth mindset. Topics include developing the academic habits, learning strategies, social skills, and growth mindset necessary to be successful in college-level English. Upon completion, students should be able to build a stronger foundation for success in their gateway level English courses by obtaining skills through a variety of instructional strategies with emphasis placed on the most essential prerequisite knowledge.<u>back to top</u>

<u>Class</u> <u>Lab</u> <u>Clinical</u> <u>Work Exp</u> <u>Credit</u>

Lab Clinical Work Exp Credit

0

3

0

							Page 122
ENG-011	Writing and In	nquiry Support	1	2	0	0	2
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course is designed to s necessary for success in EN reinforcing ENG 111 Stude developing a growth minds writing processes, recogniz a variety of genres and form reading and composing text apply active reading strateg well-developed writing usin	upport si G 111 b nt Learn et, expan ing organ nats, and s. Upon ies to co ng standa <u>Class</u>	tudents y comp ing Out ading sk nizatior employ comple llege-le urd writ <u>Lab</u>	in the dev lementing comes. En cills for use al relation ying appro- tion, stude vel texts a ten Englis	elopment , supportin nphasis is e in active aships with priate tech ents should and produc h. <u>back to t</u>	of skills ng, and placed on reading and nin texts from nology when d be able to ee unified, top
ENG-101	Applied Com	munications I	3	0	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course is designed to e workplace. Emphasis is pla sentence writing, punctuation should be able to identify m mechanically correct short	nhance r aced on t on, and s aain idea writings	reading echnica pelling s with s approp	and writin I reading, Upon cor supporting riate to the	ng skills fo job-relate npletion, s details an workplac	or the d vocabulary, students d produce se. <u>back to top</u>

			Class	Lab	Clinical	Work Ex	Page 12 p Credit
ENG-111	Writing and In	nquiry	3	0	0	0	3
	State Prerequi	sites: Take One Set:					
		Set 1: Take DRE-098;					
		Set 2: Take ENG-090,	RED-09);			
		Set 3: Take ENG-095;					
	Corequisites:	None					
		inquiry, analysis, effective audience awareness, and re to produce unified, coheren English. <u>back to top</u>	use of rhe vision. U t, well-de	etorical Jpon co evelope	strategies mpletion, d essays u	, thesis de students s sing stand	velopment, hould be abl
			~		~~		~
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Ex	<u>p</u> Credit
ENG-112	Writing and R	esearch in the Disciplines	<u>Class</u> 3	<u>Lab</u> 0	<u>Clinical</u> 0	<u>Work Ex</u> 0	p <u>Credit</u> 3
ENG-112	Writing and R State Prerequi	esearch in the Disciplines sites: Take ENG-111;	<u>Class</u> 3	<u>Lab</u> 0	<u>Clinical</u> 0	<u>Work Ex</u> 0	p <u>Credit</u> 3
ENG-112	Writing and R State Prerequi Corequisites:	esearch in the Disciplines sites: Take ENG-111; None	Class 3	<u>Lab</u> 0	<u>Clinical</u> 0	Work Ex 0	p <u>Credit</u> 3

			Class	Lab	Clinical	Work Exp	o Credit
ENG-114	Professional F	Research and Reporting	3	0	0	0	3
	State Prerequi	sites: Take ENG-111;					
	Corequisites:	None					
	Description:	This course, the second in a communication skills. Em reading and thinking, analy written presentations. Upo individually and collaborat professional written and or	a series o phasis is ysis, inter on comple ively to p al present	f two, is placed o pretatio tion, stur roduce tations.	s designed on researc n, and des udents sho well-desig	l to teach p h, listening sign used ir puld be able gned busin	rofessional g, critical h oral and e to work ess and
		back to	<u>top</u>				
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>p</u> Credit
			2	0	0	0	3
ENG-125	Creative Writ	ing I	3	0	0	0	5
ENG-125	Creative Writh State Prerequi	ing I sites: Take ENG-111;	3	0	0	0	5
ENG-125	Creative Writh State Prerequi Corequisites:	ing I sites: Take ENG-111; None	3	0	0	0	5
ENG-125	Creative Writh State Prerequi Corequisites: Description:	ing I sites: Take ENG-111; None This course is designed to p the art of creative writing. sketches. Upon completion own writing and critique th	3 provide si Emphasi n, student ie writing	tudents s is plac s should of othe	with the c ced on wri d be able t ers.	opportunity iting, fictio to craft and	to practice n, poetry, and l critique the
ENG-125	Creative Writh State Prerequi Corequisites: Description:	ing I sites: Take ENG-111; None This course is designed to p the art of creative writing. sketches. Upon completion own writing and critique th <u>back to</u>	grovide st Emphasi n, student he writing	udents s is plac s should of othe	with the c ced on wri d be able t ers.	opportunity iting, fictio to craft and	to practice n, poetry, an l critique the
ENG-125	Creative Writh State Prerequi Corequisites: Description:	ing I sites: Take ENG-111; None This course is designed to p the art of creative writing. sketches. Upon completion own writing and critique th <u>back to</u>	provide st Emphasi n, student he writing top <u>Class</u>	tudents s is plac s should of othe <u>Lab</u>	with the c ced on wri d be able t ers. <u>Clinical</u>	opportunity iting, fictio to craft and <u>Work Ex</u>	to practice n, poetry, and l critique the <u>p Credit</u>
ENG-125 ENG-131	Creative Writh State Prerequi Corequisites: Description:	ing I sites: Take ENG-111; None This course is designed to p the art of creative writing. sketches. Upon completion own writing and critique th <u>back to</u>	provide st Emphasi n, student ne writing top <u>Class</u> 3	tudents s is plac s should of othe <u>Lab</u> 0	with the c ced on wri d be able t ers. <u>Clinical</u> 0	opportunity iting, fictio to craft and <u>Work Exp</u> 0	to practice n, poetry, and l critique the <u>p Credit</u> 3
ENG-125 ENG-131	Creative Writh State Prerequi Corequisites: Description: Introduction to State Prerequi	ing I sites: Take ENG-111; None This course is designed to p the art of creative writing. sketches. Upon completion own writing and critique th <u>back to</u> to Literature sites: Take ENG-111;	provide st Emphasi n, student the writing <u>top</u> <u>Class</u> 3	tudents s is plac s should of othe <u>Lab</u> 0	with the c ced on wri d be able t ers. <u>Clinical</u> 0	opportunity iting, fictio to craft and <u>Work Exp</u> 0	to practice n, poetry, and l critique the <u>p Credit</u> 3
ENG-125 ENG-131	Creative Writh State Prerequi Corequisites: Description: Introduction to State Prerequi State Corequis	ing I sites: Take ENG-111; None This course is designed to p the art of creative writing. sketches. Upon completion own writing and critique th <u>back to</u> to Literature sites: Take ENG-111; sites: Take One: ENG-112,	provide st Emphasi n, student te writing <u>top</u> <u>Class</u> 3 ENG-113	tudents s is plac s should of othe <u>Lab</u> 0	with the c ced on wri d be able t ers. <u>Clinical</u> 0	opportunity iting, fictio to craft and <u>Work Exp</u> 0	to practice n, poetry, an l critique the <u>p Credit</u> 3

			Class	Lab	Clinical	I Work Eve	Page 125
ENG 221	. · · ·	. T	Class		Cinical	work Exp	
ENG-231	American Lite	erature I	3	0	0	0	3
	State Prerequi	sites: Take One: ENG-112,	ENG-113	3 or EN	G-114;		
	Corequisites:	None					
	Description:	This course covers selected to 1865. Emphasis is place literary analysis of selected students should be able to a historical and cultural conte	works in d on histo prose, po nalyze ar exts.	Ameri orical b oetry, and inter	can literat ackground nd drama. pret literai	ure from its d, cultural co Upon comp ry works in t	beginnings ontext, and pletion, their
		back to	<u>top</u>				
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>Credit</u>
ENG-232	American Lite	erature II	3	0	0	0	3
	State Prerequi	sites: Take One: ENG-112,	ENG-113	3 or EN	G-114;		
	Corequisites:	None					
	Description:	This course covers selected present. Emphasis is place literary analysis of selected students should be able to a historical and cultural conte	works in d on histo prose, po nalyze ar exts. <u>back</u>	Ameri prical ba petry, and inter to top	can literat ackground nd drama. pret literai	ure from 18 l, cultural co Upon comj ry works in t	65 to the ntext, and pletion, their
			Class	Lab	<u>Clinical</u>	Work Exp	<u>Credit</u>
ENG-233	Major Americ	an Writers	3	0	0	0	3
	State Prerequi	sites: Take One: ENG-112,	ENG-113	3 or EN	G-114;		
	Corequisites:	None					
	Description:	This course provides an inte American authors. Emphase literary merits. Upon comp analyze, and evaluate the w	ensive stu sis is plac pletion, st vorks stud	ndy of t ed on A udents lied. <u>bac</u>	he works o American l should be <u>k to top</u>	of several m history, culti able to inter	ajor ure, and the pret,

			Class	Lab	Clinical	Work Exp	Page 1
ENG-241	British Literat	ure I	3	0	0	0	3
	State Prerequi	sites: Take ENG-112, ENG	-113 or El	NG-114	1;		
	Corequisites:	None					
	Description:	This course covers selected the Romantic Period. Emp context, and literary analysis completion, students should literary works in their historic <u>Clinical</u>	d works in phasis is p sis of selec ld be able prical and <u>Wor</u>	a Britisl laced o cted pro to inter cultura <u>k Exp</u>	n literature n historica ose, poetry pret, analy l contexts. <u>Cred</u>	from its be l backgrou , and dram ze, and res <u>Class</u> <u>it</u>	eginnings nd, cultura a. Upon pond to <u>Lab</u>
ENG-242	British Literat	ure II	3	0	0	0	3
	State Prerequi	sites: Take One: ENG-112	, ENG-113	3 or EN	G-114;		
	Corequisites:	None					
	Description:	This course covers selecte Period to the present. Emp context, and literary analysic completion, students should literary works in their history	d works in phasis is p sis of selec ld be able orical and	a Britisl laced o cted pro to inter cultura	n literature n historica ose, poetry pret, analy l contexts.	from the F l backgrou , and dram ze, and res	Romantic nd, cultura a. Upon pond to
		back to	<u>o top</u>				
		FOOD SERV	VICE (FS	ST)			
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>Credit</u>
FST-100	Introduction t	o Foodservice	3	0	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course is designed to industry, its terminology, a placed on employability sl	develop a mathemati cills, vocal	n under cs, and bulary,	standing c measurem and culina	of the foods ients. Emp ry math ind	service bhasis is cluding

fractions, ratio and proportion, and percents. Upon completion, students should be able to identify career paths, convert recipes, and differentiate standard measurements.

			~~~				Page   12		
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>o</u> <u>Credit</u>		
FST-101	Quantity Baki	ng I	1	4	0	0	3		
	Prerequisites:	None							
	State Corequia	sites: Take CUL-110, FST-1	03						
	Description:	This course introduces fund quantity baking. Topics inc other baked goods. Upon c evaluate baked products.	lamental clude yea ompletio	concep st and c n, stude	ts, skills, a quick bread ents should	and technic ds, cookies d be able to	ues in s, cakes, and p prepare and		
		back to	<u>top</u>						
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>o</u> Credit		
FST-101AI	3 0		Quan 1.5	tity Bal	king I	.5	20		
	Prerequisites:	None							
	Corequisites:	None							
	Description:	This course introduces fundamental concepts, skills, and techniques in quantity baking. Topics include yeast and quick breads, cookies, cakes, and other baked goods. Upon completion, students should be able to prepare and evaluate baked products.back to top							
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>o</u> Credit		
FST-102	Foodservice S	kills I	4	8	0	0	8		
	Prerequisites:	None							
	State Corequi	sites: Take CUL-110, FST 1	03						
	Description:	This course introduces the concepts, skills, and techniques for volume food production in an institutional or commercial setting. Emphasis is placed on knife skills, tool and equipment handling, and applying principles of basic hot and cold food preparation. Upon completion, students should be able to demonstrate entry-level skills for foodservice operations.							

							Page   128		
		back to	o top						
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Ex	<u>p</u> Credit		
FST-103	Foodservice S	anitation	2	0	0	0	2		
	Prerequisites:	None							
	Corequisites:	None							
	Description.	and sanitation in the foodservice industry. Emphasis placed on personal hygiene habits, safety regulations, and food handling practices (H.A.C.C.P.) that protect the health of the consumer. Upon completion, students should be able to demonstrate appropriate safety and sanitation practices required in the foodservice industry. <u>back to top</u>							
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Ex	p Credit		
FST-105	Menu Plannin	g	3	0	0	0	3		
	Prerequisites:	None							
	Corequisites:	None							
	Description:	This course introduces the principles and functions of menu management for general and special populations. Emphasis is placed on building menus with regard to nutritional considerations and dietary needs. Upon completion, students should be able to develop and prepare menus to be used in a variety of dining settings.							
		back to	o top						

				Class	Lab	Clinical	Work Fr	Page   129	
	F 1 ' (	11.11 11		Class	Lab	Clinical	WORK EX	<u>r</u> <u>Credit</u>	
FS1-106	Foodservice S			Z	0	0	0	5	
	State Prerequi	isites: Take One Se							
		Set I: Take	FST-102,	FST-103	•				
		Set 2: Take	CUL-110,	FST-102	2;				
		Set 3: Take	CUL-140,	CUL-17	0, FST	-103;			
		Set 4: Take	CUL-110,	CUL-14	0, CUI	L-170;			
		Set 5: Take	CUL-142,	CUL-17	0, FST	-103;			
		Set 6: Take	CUL-110,	CUL-14	2, CUI	170;			
	Corequisites:	None							
	theory and application of foodservice skills in institutional and commercial kitchens. Emphasis is placed on breakfast cookery, plate presentation, appropriate vegetable / starch accompaniments, and hot and cold foods. Upon completion, students should be able to plan, execute, and successfully serve entrees with complimentary side items.								
			back to	<u>top</u>					
				<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Ex	<u> credit</u>	
FST-107	Quantity Bak	ing II		1	4	0	0	3	
	State Prerequi	isites: Take One Se	et:						
		Set 1: Take	FST-101,	FST-102	•				
		Set 2: Take	CUL-160,	FST-103	3;				
		Set 3: Take	CUL-110,	FST-101	;				
		Set 4: Take	CUL-110,	CUL-16	0;				
	Corequisites: None								
	Description: This course provides advanced skills and techniques for preparing pastry items. Emphasis is placed on specialty breads, classical desserts, pastrie and decorative finishing. Upon completion, students should be able to produce and plate a variety of quality baked pastry items.								
			DACK TO	юр					

				P a g e   1					
		<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Ex	<u>xp</u> <u>Credit</u>			
FST-108	Purchasing and Cost Control	2	2	0	0	3			

Prerequisites: None

Corequisites: None

Description: This course covers the concepts associated with the control of primary costs in foodservice establishments: purchasing and cost controls. Topics include the purchasing, receiving, storage, issuance, and production of products, as well as revenue, inventory, and labor controls. Upon completion, students should be able to apply the necessary knowledge and skills required to understand and control the primary costs for a foodservice establishment.

#### back to top

# **GEOGRAPHY** (GEO)

		<u>(</u>	<u>Class</u>	Lab	<u>Clinical</u>	Work Exp	Credit
GEO-111	World Regional Geography		3	0	0	0	3

Prerequisites: None

Corequisites: None

Description: This course introduces the regional concept which emphasizes the spatial association of people and their environment. Emphasis is placed on the physical, cultural, and economic systems that interact to produce the distinct regions of the earth. Upon completion, students should be able to describe variations in physical and cultural features of a region and demonstrate an understanding of their functional relationships.

## back to top

## **GEOLOGY (GEL)**

			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>Credit</u>
GEL-111	Geology		3	2	0	0	4
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course introduce basic include rocks minerals vol	landform	s and g	geological	processes.	Topics history

include rocks, minerals, volcanoes, fluvial processes, geological history, plate tectonics, glaciers, and coastal dynamics. Upon completion, students should be able to describe basic geological processes that shape the earth.

# HEALTH (HEA)

		<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	Credit
HEA-110	Personal Health / Wellness	3	0	0	0	3

Prerequisites: None

Corequisites: None

Description: This course provides an introduction to basic personal health and wellness. Emphasis is placed on current health issues such as nutrition, mental health, and fitness. Upon completion, students should be able to demonstrate an understanding of the factors necessary to the maintenance of health and wellness.

#### back to top

# HEALTHCARE BUSINESS INFORMATICS (HBI)

		<u>Class</u>	Lab	<u>Clinical</u>	Work Exp	Credit
HBI-110	Issues and Trends in HBI	3	0	0	0	3
	Prerequisites: None					

Prerequisites: None

Corequisites: None

Description: This course is a survey of current and emerging technology applications and data standards in the healthcare industry. Topics include the history, implementation, use, management, and impact of information technology in healthcare settings. Upon completion, students should have an understanding of the current trends and issues in healthcare informatics.

#### back to top

			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>p</u> <u>Credit</u>		
HBI-250	Data Management and Utilization		2	2	0	0	3		
	State Prerequi	uisites: Take One: DBA-110, DBA-120 or DBA-210;							
	Corequisites:	None							
	Description:	This course covers the man according to current practic warehousing, data integrity in healthcare settings. Upon demonstrate an understandia and decision making in heal	a in healthc cs. Topics g, and repo puld be able a to suppor	are settings include data ort generating e to rt reporting					

Р	a	g	e	132
-	•••	-	•	

# HEALTH SCIENCES (HSC)

			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>Credit</u>
HSC-110	Orientation to	Health Careers	1	0	0	0	1
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course is a survey of he professional duties and resp choices. Upon completion, s understanding of the health informed career choices.	ealth card onsibiliti students care prof	e profes ies, wor should fessions	ssions. Top rking envis be able to s and be pr	pics include ronments, ar demonstrate repared to m	nd career an ake
		back to	<u>top</u>				
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>Credit</u>
HSC-120	CPR		0	2	0	0	1
	Prerequisites:	None					
	Corequisites:	None					
		infant, child, and adult CPR obstruction. Emphasis is pla management of emergency perform infant, child, and ac obstructions.	and the aced on recare. Up dult CPR	manage ecognit on com	ement of f ion, assess pletion, st anage fore	oreign body sment, and p udents shoul eign body air	airway roper id be able to way
		back to	top				
	HIE	AVY EQUIPMENT M	AINTE	NAN	CE (HE	Γ)	
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	Credit
HET-110	Diesel Engine	S	3	9	0	0	6
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course introduces theor adjustments for diesel engine operation, inspection, measu factory specifications. Upor diagnose problems, and reparation back to	ry, design nes. Empl uring, and n comple nir diesel top	n, term hasis is d rebui tion, str engine	inology, an laced on s lding diese udents sho es.	nd operating safety, theor el engines ac uld be able t	y of cording to to measure,

			Class	Lah	Clinical	] Work Exp	Page   133 Credit
HFT-114	Power Trains		3	<u>140</u>	0	<u>0</u>	5
1121-114	Drerequisites:	None	5	0	0	0	5
	Coroquisitos:	None					
	Description.	This course introduces now	on thomas	indian	darriana T	onios in alu	la function
	Description.	and operation of gears, chai differentials, and transmissi identify, research specificat	ns, clutcl ons. Upc ions, rep	hes, pla on comp air, and	netary gea pletion, stu adjust po	urs, drive lin dents shoul wer train co	d be able to mponents.
		back to	<u>top</u>				
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>Credit</u>
HET-115	Electronic Eng	gines	2	3	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course introduces the p engines. Emphasis is placed accordance with manufactur should be able to diagnose, engines	orinciples l on testin rers' spec test, and	s of electing and a cification calibra	ctronically adjusting o ons. Upon te electror	controlled diesel engin completion, nically contr	diesel es in , students rolled diesel
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	<u>Work Exp</u>	<u>Credit</u>
HET-125	Preventive Ma	aintenance	1	3	0	0	2
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course introduces prev and heavy duty vehicles and maintenance schedules, serv Upon completion, students maintenance schedule as din <u>back to</u>	entive m l rolling vices, DC should be rected by <u>top</u>	aintena assemb DT rules e able to manuf	nce practi- lies. Topic s and regu o set up ar facturers.	ces used on es include p lations, and id follow a p	medium reventive road ability. preventive

			Class	Lab	Clinical	Work Ext	Page   134
HET-128	Medium/Heav	vy Duty Tune Un	1	2	0	0	2
1121 120	Prerequisites.	None	1	2	0	0	2
	Corequisites:	None					
	Description:	This course introduces tune manufacturers' specification systems, tune-up procedure equipment. Upon completion diagnose, and repair engine equipment.	-up and t ns. Topics s, and use on, studer s and cor	roubles s incluc e and ca ts shou nponen	hooting ad le troubles are of spec ild be able ts using ap	ccording to hooting er tial test too to trouble opropriate	) ngine bls and shoot, diagnostic
		back to	<u>top</u>				
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>p</u> Credit
HET-134	Diesel Fuel &	Power Sys	2	3	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course introduces the p systems used in the heavy e technology. Emphasis is pla safety, and theories of older Tier IV fuel systems. Upon and service fuel systems and fuel systems used in heavy	convent convent completi d explain equipmen	of fue t indust est equi ional an on, stu- proper nt indus	injection ry includi pment, co nd newer a dents shou safety pro stry.	and other ng newer a mponent f and cleaner ald be able ocedures of	power and cleaner unctions, Tier III and to diagnose n alternative
		back to	<u>top</u>				
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>p</u> Credit
HET-229	Brakes and St	eering	1	2	0	0	2
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course introduces the t medium and heavy duty vel frame members, bearings, f systems. Upon completion,	heory and nicles. To ifth whee students	d princi pics in l, coup should	iples of bra clude whe ling system be able to	aking and el and tire ns, and bra diagnose,	steering in problems, aking adjust, and

			<u>Class</u>	Lab	Clinical	Work Ex	p <u>Credit</u>
HET-230	Air Brakes		1	2	0	0	2
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course introduces the on trucks. Topics include s systems. Upon completion, inspect, repair, and reassen	operation afety, gov , students nble air bi	and de vernors, should cake sys	sign of air compress be able to stems.	braking s ors, and su diagnose,	ystems used upporting disassemble
		back to	<u>top</u>				
		HISTORY	Y (HIS)				
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Ex	<u>p</u> <u>Credit</u>
HS-111	World Civiliz	ations I	3	0	0	0	3
	Prerequisites:	None					
	~						
	Corequisites:	None					
	Corequisites: Description:	None This course introduces wor early modern era. Topics i Roman civilizations and Cl completion, students should socioeconomic, and culturat back to top	ld history nclude Eu hristian, Is d be able al develop	from t trasian, slamic to analy ments i	he dawn o African, <i>1</i> and Byzan yze signifi in pre-mod	f civilizati American, tine cultur cant politi lern world	on to the and Greco- res. Upon cal, civilizatior
	Corequisites: Description:	None This course introduces wor early modern era. Topics i Roman civilizations and Cl completion, students should socioeconomic, and cultura back to top	Id history nclude Eu hristian, Is d be able al develop <u>Class</u>	from t trasian, slamic a to analy ments i <u>Lab</u>	he dawn o African, <i>1</i> and Byzan yze signifi in pre-moo <u>Clinical</u>	f civilizati American, tine cultur cant politi lern world <u>Work Ex</u>	on to the and Greco- res. Upon cal, civilization
HS-112	Corequisites: Description: World Civiliz	None This course introduces wor early modern era. Topics i Roman civilizations and Cl completion, students should socioeconomic, and cultura <u>back to top</u>	Id history nclude Eu hristian, Is d be able al develop <u>Class</u> 3	from t trasian, slamic a to analy ments i <u>Lab</u> 0	he dawn o African, <i>A</i> and Byzan yze signifi in pre-mod <u>Clinical</u> 0	f civilizati American, tine cultur cant politi dern world <u>Work Ex</u> 0	ion to the and Greco- res. Upon cal, civilization <u>p Credit</u> 3
HIS-112	Corequisites: Description: World Civiliza Prerequisites:	None This course introduces wor early modern era. Topics i Roman civilizations and Cl completion, students should socioeconomic, and cultura <u>back to top</u> ations II None	Id history nclude Eu hristian, Is d be able al develop <u>Class</u> 3	from t trasian, slamic a to analy ments i <u>Lab</u> 0	he dawn o African, <i>A</i> and Byzan yze signifi in pre-mod <u>Clinical</u> 0	f civilizati American, tine cultur cant politi lern world <u>Work Ex</u> 0	ion to the and Greco- res. Upon cal, civilization <u>p Credit</u> 3
HIS-112	Corequisites: Description: World Civiliza Prerequisites: Corequisites:	None This course introduces wor early modern era. Topics i Roman civilizations and Cl completion, students should socioeconomic, and cultura back to top ations II None None	Id history nclude Eu hristian, Is d be able al develop <u>Class</u> 3	y from t urasian, slamic a to analy oments i <u>Lab</u> 0	he dawn o African, <i>1</i> and Byzan yze signifi in pre-moo <u>Clinical</u> 0	f civilizati American, tine cultur cant politi dern world <u>Work Ex</u> 0	ion to the and Greco- res. Upon cal, civilization <u>p Credit</u> 3

			Class	Lab	Clinical	Work Exp	Credit
HIS-121	Western Civil	ization I	3	0	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course introduces wor present. Topics include the and the Americas. Upon co significant political, socioed world civilizations. <u>back to</u>	ld history cultures ompletior conomic, <u>top</u>	from t of Afri n, stude and cu	he early m ca, Europe nts should ltural deve	nodern era e, India, Ch be able to elopments i	to the nina, Japan, analyze in modern
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	o Credit
HIS-122	Western Civil	ization II	3	0	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course introduces wor present. Topics include the and the Americas. Upon co significant political, socioed world civilizations. <u>back to</u>	ld history cultures ompletior conomic, top <u>Clas</u>	from t of Afri n, stude and cu <u>s Lal</u>	he early m ca, Europe nts should ltural deve <u>o Clini</u>	odern era e, India, Ch be able to elopments ical <u>Work</u>	to the nina, Japan, analyze in modern <u>x Exp</u> <u>Credit</u>
HIS-131	American His	tory I	3	0	0	0	3
	Prerequisites:	None					
	Corequisites:	None					

			Class	Lob	Clinical	Work Ex	n Cradit
IIIC 122	A maniage IIia		<u>Class</u>	<u>Lao</u>	<u>Clinical</u>		
HIS-132	American His	tory II	3	0	0	0	3
	Prerequisites:	None					
	Corequisites:	None			<b>6</b> 1	<u></u>	
	Description:	present. Topics include ind the major American wars, to completion, students should socioeconomic, and cultura Civil War. <u>back to top</u>	dustrializa he Cold V d be able d develop	ation, ir War, an to analy	nmigration d social co yze signifi in Americ	n, the Grea onflict. Up cant polition an history	era to the at Depression con cal, since the
			<u>Class</u>	<u>Lab</u>	Clinical	Work Ex	p Credit
HIS-221	African-Amer	ican History	3	0	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course covers African present. Topics include Af Reconstruction, the Jim Cre	-America rican orig ow era, th	n histor gins, the ne civil	ry from th e slave trac rights mo	e Colonial de, the Civ vement, an	period to the il War, d
	Description:	This course covers African present. Topics include Af Reconstruction, the Jim Cre contributions of African An able to analyze significant developments in the history <b>HORTICULT</b>	-America rican orig ow era, th mericans. political, y of Afric URE (H	in histor gins, the ne civil Upon o socioec an-Amo <b>IOR</b> )	ry from the slave trace rights more completion conomic, a ericans. <u>ba</u>	e Colonial de, the Civ vement, an n, students and cultura ack to top	period to the il War, d should be l
	Description:	This course covers African present. Topics include Af Reconstruction, the Jim Cre contributions of African An able to analyze significant developments in the history <b>HORTICULT</b>	-America frican orig ow era, th mericans. political, y of Afric <b>URE (H</b> Class	in histor gins, the ne civil Upon o socioec an-Amo <b>IOR</b> ) Lab	ry from the e slave trac rights move completion conomic, a ericans. <u>ba</u>	e Colonial de, the Civ vement, an n, students and cultura ack to top Work Exi	period to the il War, d should be l
HOR-112	Description:	This course covers African present. Topics include Af Reconstruction, the Jim Cro contributions of African Ar able to analyze significant developments in the history <b>HORTICULT</b>	-America frican orig ow era, the mericans. political, y of Afric <b>URE (H</b> <u>Class</u> 2	in histor gins, the ne civil Upon o socioec an-Amo <b>IOR)</b> <u>Lab</u> 3	ry from the e slave trac rights more completion conomic, a ericans. <u>ba</u> <u>Clinical</u> 0	e Colonial de, the Civ vement, an n, students nd cultura ack to top <u>Work Ex</u> 0	period to the il War, d should be l <u>p Credit</u> 3
HOR-112	Description: Landscape De Prerequisites:	This course covers African present. Topics include Af Reconstruction, the Jim Cre contributions of African An able to analyze significant developments in the history <b>HORTICULT</b> sign I None	-America frican orig ow era, the mericans. political, y of Afric <b>URE (H</b> <u>Class</u> 2	in histor gins, the ne civil Upon o socioec an-Amo <b>IOR)</b> <u>Lab</u> 3	ry from the e slave trac rights more completion conomic, a ericans. <u>ba</u> <u>Clinical</u> 0	e Colonial de, the Civ vement, an n, students and cultura ack to top <u>Work Ex</u> 0	period to the il War, id should be l <u>p Credit</u> 3
HOR-112	Description: Landscape De Prerequisites: Corequisites:	This course covers African present. Topics include Af Reconstruction, the Jim Cre contributions of African An able to analyze significant developments in the history <b>HORTICULT</b> sign I None None	-America frican orig ow era, the mericans. political, y of Afric <b>URE (H</b> <u>Class</u> 2	in histor gins, the ne civil Upon o socioec an-Amo <b>IOR</b> ) <u>Lab</u> 3	ry from the slave trad rights more completion conomic, a ericans. <u>ba</u> <u>Clinical</u> 0	e Colonial de, the Civ vement, an n, students and cultura ack to top <u>Work Ex</u> 0	period to the il War, d should be l <u>p Credit</u> 3
HOR-112	Description: Landscape De Prerequisites: Corequisites: Description:	This course covers African present. Topics include African Arrian able to analyze significant present in the Jim Cre- contributions of African Arrian able to analyze significant present present in the history <b>HORTICULT</b> sign I None None This course covers landscarrian commercial sites. Emphasi elements of good design, present (encouraged use of native present) Upon completion, students design according to sustain	-America frican orig ow era, the mericans. political, y of Afric <b>URE (H</b> <u>Class</u> 2 pe princip s is placed lant mater plants and should be able prac	in histor gins, the ne civil Upon of socioect an-Amo <b>IOR)</b> <u>Lab</u> 3 oles and d on dra rial sele l discou e able to tices. <u>ba</u>	ry from the slave trac rights more completion conomic, a ericans. <u>base</u> <u>Clinical</u> 0 l practices afting, site ection, and raged use to read plat tok to top	e Colonial de, the Civ vement, an n, students ind cultura <u>ack to top</u> <u>Work Ex</u> 0 for resider e analysis, a l proper pla of invasiv ns and draf	period to the il War, d should be l <u>p Credit</u> 3 ntial and and common ant utilization e species). ft a landscape
HOR-112	Description: Landscape De Prerequisites: Corequisites: Description:	This course covers African present. Topics include African Arrian able to analyze significant present in the Jim Cre- contributions of African Arrian able to analyze significant present pres	-America frican orig ow era, the mericans. political, y of Afric <b>URE (H</b> <u>Class</u> 2 pe princip s is placed lant mater plants and should be able prac <u>Class</u>	in histor gins, the ne civil Upon of socioect an-Amo <b>IOR)</b> <u>Lab</u> 3 oles and d on dra rial sele l discout e able to tices. <u>ba</u> <u>Lab</u>	ry from the slave trac rights more completion conomic, a ericans. <u>ba</u> <u>Clinical</u> 0 I practices afting, site ection, and raged use to read plat ick to top <u>Clinical</u>	e Colonial de, the Civ vement, an n, students ack to top <u>Work Exp</u> 0 for resider analysis, a l proper pla of invasiv ns and draf <u>Work Exp</u>	period to the il War, d should be l <u>p Credit</u> 3 ntial and and common ant utilization e species). ft a landscape <u>p Credit</u>
HOR-112 HOR-114	Description: Landscape De Prerequisites: Corequisites: Description:	This course covers African present. Topics include African Arrian able to analyze significant present in the Jim Cre- contributions of African Arrian able to analyze significant present in the history <b>HORTICULT</b> sign I None None This course covers landscar commercial sites. Emphasi elements of good design, present (encouraged use of native present) Upon completion, students design according to sustain	-America frican origo ow era, the mericans. political, y of Afric <b>URE (H</b> <u>Class</u> 2 pe princip s is placed lant mater plants and should be able prac <u>Class</u> 2	in histor gins, the he civil Upon of socioect an-Amo <b>IOR)</b> <u>Lab</u> 3 oles and d on dra rial sele I discou e able to tices. <u>ba</u> <u>Lab</u> 2	ry from the slave trac rights more completion conomic, a ericans. <u>ba</u> <u>Clinical</u> 0 l practices afting, site ection, and raged use to read plat teck to top <u>Clinical</u> 0	e Colonial de, the Civ vement, an n, students ack to top <u>Work Exp</u> 0 for resider e analysis, a l proper pla of invasiv ns and draf <u>Work Exp</u> 0	period to the il War, ad should be l p Credit 3 ntial and and common ant utilization e species). ft a landscape p Credit 3
HOR-112 HOR-114	Description: Landscape De Prerequisites: Corequisites: Description: Landscape Co Prerequisites:	This course covers African present. Topics include Af Reconstruction, the Jim Cre contributions of African An able to analyze significant p developments in the history <b>HORTICULT</b> sign I None None This course covers landsca commercial sites. Emphasi elements of good design, p (encouraged use of native p Upon completion, students design according to sustain nstruction None	-America frican origo ow era, the mericans. political, y of Afric <b>URE (H</b> <u>Class</u> 2 pe princip s is placed lant mater plants and should be able prac <u>Class</u> 2	in histor gins, the he civil Upon of socioect an-Amo <b>IOR)</b> <u>Lab</u> 3 oles and d on dra rial sele l discou e able to tices. <u>ba</u> 2	ry from the slave trac rights more completion conomic, a ericans. <u>ba</u> <u>Clinical</u> 0 l practices afting, site ection, and traged use to read plat tok to top <u>Clinical</u> 0	e Colonial de, the Civ vement, an n, students ack to top <u>Work Ex</u> 0 for resider e analysis, s l proper pla of invasiv ns and draf <u>Work Ex</u> 0	period to the il War, ad should be l p Credit 3 ntial and and common ant utilization e species). ft a landscape p Credit 3

	Description:	This course introduces the constructures/features. Emphases material selection, construct completion, students should landscape structures/feature	lesign and is is place tion techn l be able tes. <u>back to</u>	d fabric ed on s niques, to desig	cation of la afety, tool and fabric gn and con	andscape identificat ation. Upo astruct com	ion and use, on imon
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	<u>Work Exp</u>	<u>o</u> Credit
HOR-116	Landscape Ma	anagement I	2	2	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course covers informat develop a management sche measurement, plant condition needs. Upon completion, stu develop management sched needs. <u>back to top</u>	tion and s edule. Em on, analys udents sh ules, and	skills no phasis sis of c ould be impler	ecessary to is placed lient needs e able to an nent pract	analyze a on property s, and plant nalyze a pr ices based	property and y t culture operty, on client
	N		<u>Class</u>	Lab	Clinical	Work Exp	<u>) Credit</u>
HOR-124	Nursery Operation	ations	2	3	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course covers nursery a production and marketing n availability, equipment, irrig control. Upon completion, s nursery operation and grow	site and c nethods. 7 gation, fe students s and harv	crop sel Fopics ertilizati hould l rest nur	ection, cui include sit ion, contai be able to sery crops	ltural pract te consider iners, medi design and back to to	ices, and ations, water a, and pest implement a

			Class	Lab	Clinical	Work Ex	Page   139 p Credit
HOR-134	Greenhouse C	perations	<u>enuss</u> 2	2	0	0	3
	Prerequisites:	None	2	-	0	Ŭ	5
	Corequisites:	None					
	Description:	This course covers the print and maintenance of greenhouse operation of greenhouse syst keeping, scheduling, and prishould be able to demonstration facilities to produce greenh	ciples and ouse facil stems, ind oduction ate the ab ouse crop	d proced lities. E cluding practic ility to os. <u>back</u>	dures invo mphasis is the enviro es. Upon o operate gr to top	lved in the s placed or onmental c completion reenhouse	e operation h the ontrol, record h, students systems and
			<u>Class</u>	Lab	<u>Clinical</u>	Work Ex	p Credit
HOR-142	Fruit & Veget	able Prod	1	2	0	0	2
	Prerequisites:	None					
	Corequisites:	None					
	1	field-grown vegetables. To selection, nutritional values and insect and disease cont demonstrate an understandi selected fruits and vegetabl	pics inclu , cultural rol. Upon ing of the es. <u>back t</u>	ide site technic comple princip	selection, ques, harve etion, stud oles related	proper van esting and lents shoul l to the pro	rietal marketing, d be able to oduction of
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Ex	p <u>Credit</u>
HOR-160	Plant Material	s I	2	2	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	Corequisites: Description:	None This course covers identific a sustainable landscape. En growth requirements, cultur applications. Upon complet knowledge of the proper se natives and invasive plants.	cation, cu nphasis is ral requir tion, stud lection ar Compete	lture, cl placed ements, ents sho nd utiliz encies	naracterist on nomen , soil prefe ould be ab cation of p	ics, and us nclature, ic prences, an le to demo lant mater	se of plants in lentification, d landscape onstrate ials, includin
Student	Corequisites: Description: t Learning Outo	None This course covers identific a sustainable landscape. En growth requirements, cultur applications. Upon complet knowledge of the proper se natives and invasive plants.	cation, cu nphasis is ral requir tion, stud lection ar Compete	lture, cl placed ements, ents sho nd utiliz encies	haracterist on nomen soil prefe ould be ab cation of p	ics, and us nclature, ic prences, an le to demo lant mater	se of plants in lentification, d landscape onstrate ials, includin
Student 1. Ider more	Corequisites: Description: t Learning Outc ntify landscape rphological cha	None This course covers identific a sustainable landscape. En growth requirements, cultur applications. Upon complet knowledge of the proper se natives and invasive plants. comes plants, including natives by racteristics.	cation, cu nphasis is ral requir tion, stud lection ar Compete both bota	lture, cl placed ements, ents sho nd utiliz encies anical at	naracterist on nomen , soil prefe ould be ab cation of p nd commo	ics, and us nelature, ic rences, an le to demo lant mater on name us	e of plants in lentification, d landscape onstrate ials, includin

- 3. Select plant materials for specific horticultural applications.
- 4. Discuss plant growth characteristics, site requirements, and sustainable landscape uses.

		healt to	ton				Page   14
		Dack to	<u>top</u>				
			<u>Class</u>	Lab	Clinical	Work Exp	Credit
HOR-161	Plant Material	s II	2	2	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	Description.	culture, characteristics, and students a broader knowled landscapes and plant product identification, growth require landscape applications and students should be able to d utilization of plant materials plants.Competencies	use of pla ge of avai ction. Em rements, o expansion emonstra s, includin	y oppo ants in ilable la phasis cultura n of the te know ng nativ	a sustaina andscape p is placed o l requirem plant pale wledge of ves and in	ble landsca plants for u on nomencl ents, soil p ette. Upon o the proper vasive	pe, giving tilization in lature, references, completion, selection an
Studen	t Learning Out	comes					
1. Ide mo	ntify landscape rphological cha	plants, including natives, by racteristics.	both bota	anical a	and comme	on name us	ing
2. Ext	plain the cultura	l practices used for growing	each plar	nt in the	e landscap	e.	
3. Sel	ect plant materi	als for specific horticultural	applicatio	ons.			
4. Dis	scuss plant grow	th characteristics, site requir	ements, a	ind sus	tainable la	ndscape us	es.
		back to	<u>top</u>				
			<u>Class</u>	Lab	<u>Clinical</u>	Work Exp	Credit
	Applied Plant	Science	2	2	0	0	3
HOR-162							
HOR-162	Prerequisites:	None					
HOR-162	Prerequisites: Corequisites:	None None					

					Page   141
	<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Ex	p Credit
HOR-164 Host Pest Management	2	3	0	0	3

Prerequisites: None

Corequisites: None

Description: This course covers the identification and management of plant pests including insects, diseases, and weeds. Topics include pest identification and beneficial organisms, pesticide application safety and use of least toxic methods of management. Upon completion, students should be able to manage common landscape pests using least toxic methods of control and be prepared to sit for North Carolina Commercial Pesticide Ground Applicators license.Competencies

Student Learning Outcomes

- 1. Demonstrate pest identification and management using sustainable methods.
- 2. Identify major horticultural pests, such as insects, pathogen and weeds and create an integrated pest management plan.
- 3. Prepare for the North Carolina Pesticide Applicator's exam.

## back to top

			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>Credit</u>
HOR-166	Soils & Fertil	izers	2	2	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course covers the phys fertility and management. T physical, chemical, and biol testing; and fertilizer applica to analyze, evaluate, and pro practices.Competencies	ical and c opics inc logical pro ation. Up operly am	chemica lude so opertie on com nend so	al properti il formatio s (includir pletion, st ils/media	es of soils a on; classific 1g microorg tudents sho according t	and soil cation; ganisms); ould be able to sustainable

#### Student Learning Outcomes

- 1. Identify the physical, chemical and biological properties of soils.
- 2. Collect soil sample and interpret the results.
- 3. Select and apply fertilizers according to sustainable practices.

			Class	<u>L</u> ab	Clinical	Work Ex	<u>p</u> <u>Credit</u>
HOR-168	Plant Propaga	tion	2	2	0	0	3
	Prerequisites.	None	2	-	0	Ũ	5
	Corequisites:	None					
	Description:	This course is a study of set is placed on seed propagati- propagation, and other prop should be able to successfu	xual and on, grafti bagation t lly propa	asexual ng, sten echniqu gate orr	reproduct n and root ues. Upon namental p	ion of pla propagati completio lants. <u>back</u>	nts. Emphas on, micro- n, students <u>c to top</u>
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Ex	<u>p</u> Credit
HOR-215			2	2	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course introduces basi include site analysis, compo- irrigation systems, and insta should be able to design an	c irrigation onents of allation te d install b	on desig irrigati echniqu basic lar	gn, layout, on system es. Upon o ndscape ir	and instal s, safety, t completion rigation sy	lation. Topi ypes of n, students ystems. <u>back</u>
		top					
		top	<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Ex	p <u>Credit</u>
HOR-217	Landscape Ma	top magement II	<u>Class</u> 1	<u>Lab</u> 3	<u>Clinical</u> 0	<u>Work Ex</u>	<u>p Credit</u> 2
HOR-217	Landscape Ma Prerequisites:	top magement II Take One: HOR-110 or HO	<u>Class</u> 1 DR-116	<u>Lab</u> 3	<u>Clinical</u> 0	<u>Work Ex</u> 0	p <u>Credit</u> 2
HOR-217	Landscape Ma Prerequisites: Corequisites:	top magement II Take One: HOR-110 or HO None	<u>Class</u> 1 DR-116	<u>Lab</u> 3	<u>Clinical</u> 0	Work Ex	p <u>Credit</u> 2

			Class	Lah	Clinical	Work Ex	Page   14
			<u>Class</u>	Lad	Chinical	WORK EX	<u>p</u> <u>Credit</u>
HOR-225	Nursery Produ	iction	2	2	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course covers all aspect on field production and cove harvesting. Upon completion marketable nursery crop. <u>ba</u>	cts of nur vers soils, on, studer <u>ck to top</u>	sery cro nutritionts shou	op product on, irrigati Ild be able	ion. Empl on, pest co to produc	nasis is place ontrol, and e a
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Ex	<u>p</u> Credit
HOR-235	Greenhouse P	roduction	2	2	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	Description:	on product selection and pr availability, including recor able to select and make pro greenhouse crops. <u>back to to</u>	oduction of oduction rd keepin duction s	greenf based o g. Upor chedule	nouse crop on market n completi es to succe	s. Emphas needs and on, studer essfully pro	facility facility ats should be oduce
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Ex	p Credit
HOR-245	Hor Specialty	Crops	<u>Class</u> 2	<u>Lab</u> 2	<u>Clinical</u> 0	<u>Work Ex</u> 0	p <u>Credit</u> 3
HOR-245	Hor Specialty Prerequisites:	Crops None	<u>Class</u> 2	<u>Lab</u> 2	<u>Clinical</u> 0	<u>Work Ex</u> 0	p <u>Credit</u> 3
HOR-245	Hor Specialty Prerequisites: Corequisites:	Crops None None	<u>Class</u> 2	<u>Lab</u> 2	<u>Clinical</u> 0	Work Ex 0	p <u>Credit</u> 3

							Page   144
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>Credit</u>
HOR-253	Horticulture T	Yurfgrass	2	2	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	Description: This course covers information and skill development necessary to est and manage landscape turfgrasses. Topics include grass identification, establishment, cultural requirements, application of control products, fertilization, and overseeding techniques. Upon completion, students s be able to analyze a landscape site and determine those cultural and ph activities needed to establish or mange a quality turf. <u>back to top</u>						
			<u>Class</u>	<u>Lab</u>	Clinical	Work Exp	<u>Credit</u>
HOR-273	Hor Mgmt & Marketing		3	3	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course covers the steps involved in starting or managing a horticultural business. Topics include financing, regulations, market analysis, employer/employee relations, formulation of business plans, and operational procedures in a horticultural business. Upon completion, students should be able to assume ownership or management of a horticultural business. <u>back to top</u>					
# HOSPITALITY MANAGEMENT (HRM)

			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	<u>Work Exp</u> (	<u>Credit</u>
HRM-110	Introduction to	Hospitality and Tourism	3	0	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course covers the grow Topics include tourism, lodg clubs. Upon completion, stu understanding of the backgr within the hospitality indust	oth and pr ging, reso udents sh round, co ry. <u>back t</u>	rogress orts, gai ould be ntext, a <u>co top</u>	of the hos ming, resta e able to do nd career	pitality indus aurants, food emonstrate ar opportunities	stry. service and n s that exist
			<u>Class</u>	Lab	<u>Clinical</u>	<u>Work Exp</u> (	<u>Credit</u>
HRM-115	Housekeeping		3	0	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course covers the scope materials, and concerns spec management and supervisio sanitation of rooms and pub inventory control. Upon corr and apply the principles of o department. <u>back to top</u>	e, respon cific to h n of hou lic areas, npletion, organizat	sibilitie otel hou sekeepi budge studen ion and	es, commu usekeeping ng staff , p ting, purch ts should b managem	nications, ter g. Topics incl proper cleanin hasing, securi- be able to und hent of a hous	minology, lude ng and ity, and derstand sekeeping
			<u>Class</u>	Lab	<u>Clinical</u>	<u>Work Exp</u> (	<u>Credit</u>
HRM-120	Front Office P	rocedures	3	0	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course introduces a sy procedures. Topics include occupancy and revenue mar communications, and related should be able to demonstra operating systems, including	vstematic reservation nagement d guest s tte a basion g efficier	approa ions, re , securi ervices. c under at and c	ich to lodg gistration, ity, interde Upon co standing o ourteous g	ting front off guest satisfa partmental mpletion, stud f current from guest services	ice ction, Idents nt office 3.

							Page   146
		back to	<u>top</u>				
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Ex	<u>p</u> Credit
HRM-124	Guest Service	Management	2	2	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course is designed to p room service management. of service work, dining room and modeling management completion, students should guest/server dynamic and a setting. <u>back to top</u>	provide an Emphasi m organiz roles in a l be able pply thes	n introd s is plac zation/i a dining to demo e princi	luction to t ced on the nfrastructu room env onstrate ar iples in a c	the culture dignity a ure, servic vironment n understa lining roo	e of dining nd psychology ce delivery, . Upon nding of the m
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Ex	<u>p</u> Credit
HRM-135	Facilities Man	agement	3	0	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	Description:	hospitality facilities include	ng enviro	onmenta	al impacts,	, maintena	ance, and
		engineering, interior design traffic and work flow patter demonstrate an understandi and maintenance of hospita	ipment as , space u ns. Upon ng of the lity physi	nd plan tilizatio comple plannii ical plai	t preventive on, remode etion, stud ng, design nts and equ	ve mainter eling and e lents shou , national uipment.	nance, expansion, and ld be able to certification, <u>back to top</u>
		engineering, interior design traffic and work flow patter demonstrate an understandi and maintenance of hospita	space uppent as , space uppend ns. Upon ng of the lity physic <u>Class</u>	nd plan tilizatio comple plannii ical plan <u>Lab</u>	t preventive on, remode etion, stud ng, design nts and equ <u>Clinical</u>	ve mainter eling and e lents shou , national uipment. <u>Work Ex</u>	nance, expansion, and ld be able to certification, <u>back to top</u> <u>p Credit</u>
HRM-140	Legal Issues –	engineering, interior design traffic and work flow patter demonstrate an understandi and maintenance of hospita	ipment as , space u rns. Upon ng of the lity physi <u>Class</u> 3	nd plan tilizatio comple plannii ical plan <u>Lab</u> 0	t preventive on, remode etion, stud ng, design nts and equive <u>Clinical</u> 0	ve mainter eling and e lents shou , national uipment. <u>Work Ex</u> 0	nance, expansion, and ld be able to certification, <u>back to top</u> ap <u>Credit</u> 3
HRM-140	Legal Issues – Prerequisites:	engineering, interior design traffic and work flow patter demonstrate an understandi and maintenance of hospita Hospitality None	ipment as , space u rns. Upon ng of the lity physi <u>Class</u> 3	nd plan tilizatio comple plannii ical plan <u>Lab</u> 0	t preventiv on, remode etion, stud ng, design nts and eq <u>Clinical</u> 0	ve mainter eling and e lents shou , national uipment. <u>Work Ex</u> 0	nance, expansion, and ld be able to certification, <u>back to top</u> <u>ap Credit</u> 3
HRM-140	Legal Issues – Prerequisites: Corequisites:	<ul> <li>upkeep. Topics include equ engineering, interior design traffic and work flow patter demonstrate an understandi and maintenance of hospita</li> <li>Hospitality None None</li> </ul>	ipment as , space u ms. Upon ng of the lity physi <u>Class</u> 3	nd plan tilizatio comple plannin ical plan <u>Lab</u> 0	t preventiv on, remode etion, stud ng, design nts and eq <u>Clinical</u> 0	ve mainter ling and e lents shou , national uipment. <u>Work Ex</u> 0	nance, expansion, and ld be able to certification, <u>back to top</u> <u>ap Credit</u> 3
HRM-140	Legal Issues – Prerequisites: Corequisites: Description:	<ul> <li>upkeep. Topics include equilibrium engineering, interior design traffic and work flow patter demonstrate an understandi and maintenance of hospital engineering.</li> <li>Hospitality</li> <li>None</li> <li>None</li> <li>This course covers the right imposes upon the hospitalit regulations, historical and comanagement, loss prevention completion, students should legal system and the concept organizational liability. back</li> </ul>	apment as , space u ms. Upon ng of the lity physic <u>Class</u> 3 3 ts and res y industr turrent pr on, releva be able ots necess ck to top	nd plan tilizatio comple plannin ical plan <u>Lab</u> 0 sponsibi y. Topi actices, int torts to demo	t preventive on, remode etion, stud ng, design nts and equivalent <u>Clinical</u> 0 ilities that ics include safety and , and contro- onstrate ar prevent or	ve mainter eling and e lents shou , national uipment. <u>Work Ex</u> 0 the law gue e federal a d security racts. Up n understa minimize	nance, expansion, and ld be able to certification, <u>back to top</u> ap <u>Credit</u> 3 rants to or and state , risk on nding of the
HRM-140	Legal Issues – Prerequisites: Corequisites: Description:	<ul> <li>upkeep. Topics include equilibrium engineering, interior design traffic and work flow patter demonstrate an understandi and maintenance of hospital engineering.</li> <li>Hospitality</li> <li>None</li> <li>None</li> <li>This course covers the right imposes upon the hospitalit regulations, historical and comanagement, loss prevention completion, students should legal system and the concept organizational liability. back</li> </ul>	ipment as , space u ms. Upon ng of the lity physic <u>Class</u> 3 3 ts and res y industr turrent pr on, releva be able ots necess ck to top <u>Class</u>	nd plan tilizatio comple plannin ical plan <u>Lab</u> 0 sponsibi y. Topi actices, int torts to demo sary to p	t preventive on, remode etion, stud ng, design, nts and equival <u>Clinical</u> 0 dilities that ics include safety and , and contro- prevent or <u>Clinical</u>	ve mainter eling and e lents shou , national uipment. <u>Work Ex</u> 0 the law gr e federal a d security racts. Up n understa minimize <u>Work Ex</u>	nance, expansion, an Id be able to certification, <u>back to top</u> ap <u>Credit</u> 3 rants to or and state , risk on nding of the center ap <u>Credit</u>

Prerequisites: None Corequisites: None Description: This course introduces concepts related to the planning and operation of conventions, trade shows, professional meetings, and foodservice events. Emphasis is placed on methods of marketing, selling, organizing, and producing conventions, events, and trade shows that will increase financial and environmental value. Upon completion, students should be able to demonstrate an understanding of management principles for multi-function, multi-day conferences and events.back to top Clinical Work Exp Credit Class Lab 3 HRM-215 Restaurant Management 0 0 0 3 State Prerequisites: Take CUL-135 or HRM-124 Corequisites: None This course provides an overview of the responsibilities and activities Description: encountered in managing a good and beverage operation. Topics include planning, organization, accounting, marketing, trends, and human resources from an integrated managerial viewpoint. Upon completion, students should be able to demonstrate an understanding of the operation of a restaurant.back to top Class Clinical Work Exp Credit Lab 3 0 0 0 3 HRM-220 Cost Control – Food and Beverage Prerequisites: None Corequisites: None Description: This course introduces controls and accounting procedures as applied to costs in the hospitality industry. Topics include reports, cost control, planning and forecasting, control systems, financial statements, operational efficiencies, labor controls and scheduling. Upon completion, students should be able to demonstrate an understanding of food, beverage, and labor cost control systems for operational troubleshooting and problem solving.back to top Class Lab Clinical Work Exp Credit 2 0 0 0 2 HRM-225 Beverage Management Prerequisites: None Corequisites: None This course introduces the management of beverage operations in a Description: hospitality operation. Topics include history, service, procurement, storage, and control of wines, fermented and distilled beverages, sparkling waters,

coffees, and teas. Upon completion, students should be able to demonstrate knowledge of the beverages consumed in a hospitality operation.<u>back to top</u>

			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>Credit</u>
HRM-228	Mixology		1	4	0	0	
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course provides instruct bartending. Emphasis is plat equipment/supplies/glasswat including, but not limited to specialty products. Upon co the basics of mixing alcohol nightclub setting.	ction and ced on se ure; and p o, beer, wi impletion lic bevera	demon t-up, in roducti ine, coc , studer ages in	stration fo ocluding on/service oktails, mi nts should a commer	or the practic e of alcoholic xed/blended be able to do cial bar, tave	e of c beverages drinks, and emonstrate ern or

							Page   149
		back to	<u>top</u>				
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	<u>Work Exp</u>	<u>Credit</u>
HRM-230	Club & Resort	Management	3	0	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course introduces spect in a resort or club setting. T club marketing, recreational management. Upon complet understanding of the special management.	ific princ opics inc l and spor tion, stud lized skil	iples of lude op rt activi lents sh ls invol	f managin perational ity manage ould be at lved in res	g a hospita efficiencies ement, and ble to demo ort and clu	lity operation s, resort and retail onstrate an b
		back to	<u>top</u>				
			<u>Class</u>	Lab	<u>Clinical</u>	<u>Work Exp</u>	<u>Credit</u>
HRM-235	Quality Manag	gement - Hospitality	3	0	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course introduces the within a hose and apply them within a hose and apply them within a hose and apply them within a hose apply them within	various sc tandards naintainin e service tte an unc spitality /	hools of for the g quali produc lerstance service	of thought hospitality ty in the d t. Upon c ding of qu e environn	in achieve y industry. lelivery of to ompletion, ality service ment.	ment and Emphasis is the tangible students e principles
		back to	<u>top</u>				
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	<u>Work Exp</u>	<u>Credit</u>
HRM-240	Marketing for	Hospitality	3	0	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course covers planning of marketing programs for t target marketing, marketing use of current media, sales p collateral materials. Upon c marketing process as it relat	g, organiz he hospit mix, ana planning, completic tes to the	ing, dir ality in dysis, p adverti on, stud hospita	recting, an dustry. E product an ising, publ ents shoul ality indus	d analyzin mphasis is d image de lic relations d be able t try. <u>back to</u>	g the results placed on velopment, s, and o apply the <u>top</u>

			CI	<b>T</b> 1	01 1	<b>N</b> 1 <b>D</b>	Page   15
			<u>Class</u>	<u>Lab</u>	Clinical	Work Ex	<u>p</u> <u>Credit</u>
HRM-245	Human Resou	rce Management - Hospitalit	y 3	0	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	Description:	management in the hospital development, staffing, selec administration, employee re motivation, productivity, sh organizational culture. Upo human resource managemen	ity industration, hirin lations, la ift manag n comple nt skills for Class	ry. Toj ng, recr bor reg ement, tion, st or the h Lab	contract of clinical	de training evaluation. / laws, disc employees ould be ab industry. <u>t</u>	e g / , benefit cipline, s and ble to apply <u>back to top</u> p Credit
HRM-275	Leadership - H	Hospitality	3	0	0	0	3
	State Prerequi	sites: None					
	Corequisites:	None					
	Description:	This course introduces leader responsibilities of successful student's personal leadership hospitality leadership; define and leadership organization industry. Upon completion, leadership actions in real-we hospitality environments. <u>ba</u>	ership trai l hospital p skills. T ing effect al change students orld situat <u>ck to top</u>	ts, styl ity lead opics i ive and and pl will be tions ra	es, and the lers while nclude fo l ineffecti anning wi able to ap nging fro	e roles and developir rmal and i ve leaders thin the ho oply appro m local to	d ng the informal hip behavior ospitality priate global

			Class	Lah	Clinical	Work Ex	Page   15
UDM 200	Managamant	Drohlama Haanitalitu	2	<u>Lau</u>	<u>Clinical</u>	<u>WOIK EX</u>	2 <u>Crean</u>
HKINI-280	State Drama	rites: Take UDM 110	3	0	0	0	3
	State Prerequi	sites: Take HKM-110					
	Description:	This course is designed to it hospitality industry and is it mindset. Emphasis is place available resources. Upon demonstrate knowledge of applied to real challenges f	ntroduce ntended t ed on pro completion how hosp acing ind	student to move blem-so on, stud bitality t ustry m	ts to timely e students blving skil lents shoul manageme anagers.	y issues wi into a man ls using cu ld be able ent princip	ithin the agerial urrently to les may be
		back to	top				
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Ex	p <u>Credit</u>
HRM-285	Service Projec	cts-Hosp	2	6	0	0	6
	State Prerequi	sites: None					
	Corequisites:	None					
	Description:	This course introduces the engaging in community ser skills, critical thinking, and resources. Upon completion hospitality-related projects	applicatio vice. Em applying n, student that meet	on of ho phasis i g acader s shoul c comm	ospitality n is placed o nic concep d be able t unity need	nanagemen n problem ots while u to plan and ls.	nt through solving using limited l execute
	Description:	This course introduces the engaging in community ser skills, critical thinking, and resources. Upon completion hospitality-related projects <u>back to</u>	application vice. Em applying n, student that meet top	on of ho phasis i g acader s shoul c comm	ospitality n is placed o nic concep d be able t unity need	nanagemen n problem ots while v to plan and ls.	nt through solving using limited l execute
	Description:	This course introduces the engaging in community ser skills, critical thinking, and resources. Upon completion hospitality-related projects <u>back to</u> HUMAN SERV	application vice. Em applying n, student that meet top <b>TCES (</b>	on of ho phasis i g acader ts shoul t comm <b>HSE</b> )	ospitality n ls placed o mic concep d be able t unity need	nanagemen n problem ots while u to plan and ls.	nt through solving using limited l execute
	Description:	This course introduces the engaging in community ser skills, critical thinking, and resources. Upon completion hospitality-related projects <u>back to</u> HUMAN SERV	application vice. Em applying n, student that meet top <b>TCES</b> ( <u>Class</u>	on of ho phasis i g acader ts shoul t comm <b>HSE</b> ) <u>Lab</u>	espitality n s placed o nic concep d be able t unity need <u>Clinical</u>	nanagemen n problem ots while u to plan and ls.	nt through solving sing limited l execute <u>p Credit</u>
HSE-110	Description: Intro to Huma	This course introduces the engaging in community ser skills, critical thinking, and resources. Upon completion hospitality-related projects <u>back to</u> <b>HUMAN SERV</b> an Services	application vice. Em applying n, student that meet top TCES ( <u>Class</u> 2	on of ho phasis i g acader ts shoul t comm <b>HSE)</b> <u>Lab</u> 2	ospitality n as placed o nic concep d be able t unity need <u>Clinical</u> 0	nanagemen n problem ots while u to plan and ls. <u>Work Ex</u> 0	nt through solving using limited l execute <u>p Credit</u> 3
HSE-110	Description: Intro to Huma Prerequisites:	This course introduces the engaging in community ser skills, critical thinking, and resources. Upon completion hospitality-related projects <u>back to</u> <b>HUMAN SERV</b> an Services None	application vice. Emplying applying n, student that meet top <b>TCES (</b> <u>Class</u> 2	on of ho phasis i g acader ts shoul t comm <b>HSE)</b> <u>Lab</u> 2	ospitality n is placed o nic concep d be able t unity need <u>Clinical</u> 0	nanagemen n problem ots while u to plan and ls. <u>Work Ex</u> 0	nt through solving using limited l execute <u>p Credit</u> 3
HSE-110	Description: Intro to Huma Prerequisites: Corequisites:	This course introduces the engaging in community ser skills, critical thinking, and resources. Upon completion hospitality-related projects <u>back to</u> HUMAN SERV an Services None None	application vice. Emplying applying n, student that meet top <b>TCES (</b> <u>Class</u> 2	on of ho phasis i g acader ts shoul t comm <b>HSE)</b> <u>Lab</u> 2	ospitality n is placed o nic concep d be able t unity need <u>Clinical</u> 0	nanagemen n problem ots while u to plan and ls. <u>Work Ex</u> 0	nt through solving using limited l execute <u>p Credit</u> 3
HSE-110	Description: Intro to Huma Prerequisites: Corequisites: Description:	This course introduces the engaging in community ser skills, critical thinking, and resources. Upon completion hospitality-related projects <u>back to</u> <b>HUMAN SERV</b> an Services None None This course introduces the agencies, roles, and careers characteristics, diverse pop field, systems, ethical stand approaches. Upon completi knowledge, skills, and role	application vice. Emplying applying n, student that meet top <b>TCES (</b> <u>Class</u> 2 human set . Topics in ulations, lards, and ion, stude s of the h	on of ho phasis i g acader s shoul comm HSE) Lab 2 rvices f include commu major ents sho uman se	espitality n s placed o nic concep d be able t unity need <u>Clinical</u> 0 field, inclu personal/p unity resou theoretica uld be able ervices wo	nanagemen n problem ots while v to plan and ls. <u>Work Ex</u> 0 uding the h profession rces, disci l and treat e to identif orker.	nt through solving lsing limited l execute <u>p Credit</u> <u>3</u> istory, al plines in the ment fy the

			Class	Lab	Clinical	Work Exp	Credit
HSF-112	Group Process	2 I	<u>-01055</u>	<u>1140</u> 2	0	0	2
151-112	Prerequisites:	None	1	2	0	0	2
	Corequisites:	None					
	Description:	This course introduces inter	mersonal	concer	nts and ore	un dynami	cs Empha
	Description.	is placed on self-awareness groups with analysis of pers Upon completion, students and explaining how people settings.	facilitate sonal exp should b are influ	ed by experience e able to enced b	es and the les and the les and the les bow colors by their int	learning in behavior of mpetence is eractions ir	small others. n identifyin group
Cour	se Restriction:	Enrollment in the Human	Service	s Techr	nology pro	ogram is re	equired.
		back to	<u>top</u>				
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	Credit
HSE-123	Interviewing 7	Fechniques	2	2	0	0	3
	Prerequisites:	None					
	1						
	Corequisites:	None					
	Corequisites: Description:	None This course covers the purp effective interviewing. Emp responding, recording, and supervision. Upon complete interviewing skills needed t	ose, stru bhasis is summari on, stude o functio	cture, for placed of zing of ents sho on in the	ocus, and t on observi personal h ould be abl e helping r	echniques ng, attendin nistories wi e to perforn elationship	employed ng, listenir th instruct n the basic
Cour	Corequisites: Description:	None This course covers the purp effective interviewing. Emp responding, recording, and supervision. Upon completi interviewing skills needed the Enrollment in the Human	ose, stru bhasis is summari on, stude o functic <b>Service</b>	cture, for placed of zing of ents sho on in the s <b>Techr</b>	ocus, and t on observi personal h ould be abl e helping r <b>tology pro</b>	techniques ng, attendin nistories wi e to perforn elationship ogram is re	employed ng, listenin th instruct n the basic e <b>quired.</b>
Cour	Corequisites: Description:	None This course covers the purp effective interviewing. Emp responding, recording, and supervision. Upon complete interviewing skills needed to Enrollment in the Human back to	ose, stru bhasis is summari ion, stude o functio <b>Service</b> <u>top</u>	cture, fo placed of zing of ents sho on in the s <b>Techr</b>	ocus, and t on observi personal f ould be abl e helping r <b>hology pro</b>	echniques ng, attendin nistories wi e to perforn elationship ogram is re	employed ng, listenin th instructo n the basic e <b>quired.</b>
Cour	Corequisites: Description:	None This course covers the purp effective interviewing. Emp responding, recording, and supervision. Upon completi interviewing skills needed to <b>Enrollment in the Human</b> <u>back to</u>	ose, stru bhasis is summari ion, stude o functio <b>Service</b> <u>top</u> <u>Class</u>	cture, fo placed of zing of ents sho on in the s <b>Techr</b> <u>Lab</u>	ocus, and t on observi personal h ould be abl e helping r <b>nology pro</b> <u>Clinical</u>	echniques ng, attendin histories wi e to perforn elationship ogram is ro <u>Work Exp</u>	employed ng, listenin th instructon the basic e <b>quired.</b>
Cour HSE-125	Corequisites: Description:	None This course covers the purp effective interviewing. Emp responding, recording, and supervision. Upon completi interviewing skills needed the Enrollment in the Human back to	ose, struch bhasis is summari ion, stude o function <b>Services</b> <u>top</u> <u>Class</u> 2	cture, fo placed of zing of ents sho on in the s Techr <u>Lab</u> 2	ocus, and t on observi personal h ould be abl e helping r nology pro <u>Clinical</u> 0	echniques ng, attendin histories wi e to perforn elationship ogram is ro <u>Work Exp</u> 0	employed ng, listenir th instruct n the basic equired. <u>Credit</u> 3
Cour HSE-125	Corequisites: Description: See Restriction: Counseling Prerequisites:	None This course covers the purp effective interviewing. Emp responding, recording, and supervision. Upon completi interviewing skills needed to Enrollment in the Human back to None	ose, struc bhasis is summari ion, stude o functio <b>Service</b> <u>top</u> <u>Class</u> 2	cture, fo placed of zing of ents sho on in the s <b>Techr</b> <u>Lab</u> 2	ocus, and t on observi personal h ould be abl e helping r <b>hology pro</b> <u>Clinical</u> 0	echniques ng, attendin histories wi e to perforn elationship ogram is ro <u>Work Exp</u> 0	employed ng, listenin th instructon the basic e <b>quired.</b> <u>Credit</u> 3
Cour HSE-125	Corequisites: Description: See Restriction: Counseling Prerequisites: Corequisites:	None This course covers the purp effective interviewing. Emp responding, recording, and supervision. Upon completing interviewing skills needed the Enrollment in the Human back to None None	ose, struc ohasis is summari ion, stude o functio <b>Service</b> <u>top</u> <u>Class</u> 2	cture, fo placed o zing of ents sho on in the s <b>Techr</b> <u>Lab</u> 2	ocus, and t on observi personal h ould be abl e helping r <b>hology pro</b> <u>Clinical</u> 0	echniques ng, attendin histories wi e to perforn elationship ogram is ro <u>Work Exp</u> 0	employed ng, listenir th instruct n the basic e <b>quired.</b> <u>c Credit</u> 3
Cour HSE-125	Corequisites: Description: Se Restriction: Counseling Prerequisites: Corequisites: Description:	None None None None None None This course covers the purp effective interviewing. Emp responding, recording, and supervision. Upon completi interviewing skills needed t Enrollment in the Human back to None This course covers the majo including theory, characteri facilitation of self-explorati personal growth. Upon com various theories of counseli	ose, stru- bhasis is summari ion, stude o function <b>Service</b> <u>top</u> <u>Class</u> 2 or approa stics, and on, probl upletion, ng and d	cture, fo placed o zing of ents sho on in the <b>s Techr</b> <u>Lab</u> 2 ches to l techni lem solv student	ocus, and t on observi personal h ould be abl e helping r <b>nology pro</b> <u>Clinical</u> 0 psychothe ques. Emp ving, decis s should b rate couns	echniques ng, attendin histories wi e to perform elationship <b>ogram is ro</b> <u>Work Exp</u> 0 erapy and c ohasis is pla sion making e able to ur eling techn	employed ng, listenin th instructo n the basic equired. 2 <u>Credit</u> 3 ounseling, aced on g, and aderstand iques.
Cour HSE-125 Cour	Corequisites: Description: See Restriction: Counseling Prerequisites: Corequisites: Description:	None This course covers the purpleffective interviewing. Empression upon complete interviewing skills needed to Enrollment in the Human back to None None This course covers the major including theory, characterif facilitation of self-explorate personal growth. Upon com various theories of counselif Enrollment in the Human	ose, stru- bhasis is summari ion, stude o function <b>Service</b> <u>Class</u> 2 or approa stics, and on, probl ppletion, ng and d <b>Service</b>	cture, for placed of zing of ents sho on in the <b>s Techr</b> <u>Lab</u> 2 ches to l techni lem solv students emonst <b>s Techr</b>	ocus, and to personal h puld be able helping r nology pro <u>Clinical</u> 0 psychothe ques. Emp ving, decis s should b rate couns	echniques ng, attendin histories wi e to perform elationship ogram is ro <u>Work Exp</u> 0 erapy and c bhasis is pla sion making e able to ur eling techn ogram is ro	employed ng, listenin th instructo m the basic equired. 2 <u>Credit</u> 3 ounseling, aced on g, and aderstand iques. equired.

			<u>Class</u>	Lab	<u>Clinical</u>	Work Exp	Credit				
HSE-155	Community R	esources Mgt	2	0	0	0	2				
	Prerequisites:	None									
	Corequisites:	None									
	Description:	This course focuses on the agencies and the community observation of community the human services mission demonstrate knowledge ab marshaling public support,	working ty. Empha resources n. Upon c out mobil and deter	relation asis is p which ompleti izing of rmining	ships betw laced on i contribute ion, studer f commun appropria	veen human dentification to the aching the should be ity resource the sources of	a services n and evement o e able to es, of funding.				
Cour	se Restriction:	Enrollment in the Human	Service	s Techr	nology pro	ogram is re	quired.				
		back to	top								
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	Credit				
HSE-160	HSE Clinical	Supervis I	1	0	0	0	1				
	Prerequisites:	None									
		equisites: None equisites: Take One: HSE-161, HSE-162, HSE-163, or HSE-164;									
	Corequisites:	Take One: HSE-161, HSE	-162, HS	E-163,	or HSE-16	54;					
	Corequisites: Description:	Take One: HSE-161, HSE This course provides an op peers and faculty. Emphasi and principles from related completion, students should and attitudes required in hu	-162, HS portunity s is place course co d be able uman serv	E-163, d to discu d on dis ontent to to demo ices cli	or HSE-16 uss clinica scussing a o clinical j onstrate th nical expe	54; l experience pplication o placement. e knowledg riences.	es with of concepts Upon ge, skills,				
Cour	Corequisites: Description: se Restriction:	Take One: HSE-161, HSE This course provides an op peers and faculty. Emphasis and principles from related completion, students should and attitudes required in hu Enrollment in the Human	-162, HS portunity s is place course co d be able man serv Service	E-163, o to discu d on dis ontent to to demo ices cli <b>s Techr</b>	or HSE-16 uss clinica scussing a o clinical onstrate th nical expe <b>nology pro</b>	54; I experience pplication o placement. e knowledg riences. ogram is re	es with of concepts Upon ge, skills, <b>quired.</b>				
Cour	Corequisites: Description:	Take One: HSE-161, HSE This course provides an op peers and faculty. Emphasis and principles from related completion, students should and attitudes required in hu Enrollment in the Human back to	-162, HS portunity s is place course co d be able iman serv <b>Service</b> top	E-163, o to discu d on dis ontent to to demo ices cli <b>s Techr</b>	or HSE-16 uss clinica scussing a o clinical onstrate th nical expe <b>hology pro</b>	54; pplication o placement. e knowledg riences. ogram is re	es with of concepts Upon ge, skills, <b>quired.</b>				
Cour	Corequisites: Description: se Restriction:	Take One: HSE-161, HSE This course provides an op peers and faculty. Emphasi and principles from related completion, students should and attitudes required in hu Enrollment in the Human back to	-162, HS portunity s is place course co d be able iman serv <b>Service</b> <u>top</u> <u>Class</u>	E-163, o to discu d on discontent to to demo ices clin <b>5 Techr</b> <u>Lab</u>	or HSE-16 uss clinica scussing a o clinical onstrate th nical expe <b>hology pro</b>	54; pplication o placement. e knowledg riences. ogram is re <u>Work Exp</u>	es with of concepts Upon ge, skills, <b>quired.</b> <u>Credit</u>				
Cour ISE-163	Corequisites: Description: <b>se Restriction:</b> HSE Clinical	Take One: HSE-161, HSE This course provides an op peers and faculty. Emphasi and principles from related completion, students should and attitudes required in hu Enrollment in the Human back to	-162, HS portunity s is place course co d be able iman serv <b>a Service</b> top <u>Class</u> 0	E-163, o to discu d on discontent to to demo ices clin s <b>Techr</b> <u>Lab</u> 0	or HSE-16 uss clinica scussing a o clinical p onstrate th nical expe <b>nology pro</b> <u>Clinical</u> 9	54; I experience pplication of placement. e knowledg riences. ogram is re <u>Work Exp</u> 0	es with of concepts Upon ge, skills, <b>quired.</b> <u>Credit</u> 3				
Cour HSE-163	Corequisites: Description: Se Restriction: HSE Clinical Prerequisites:	Take One: HSE-161, HSE This course provides an op peers and faculty. Emphasi and principles from related completion, students should and attitudes required in hu Enrollment in the Human back to Exp I None	-162, HS portunity s is place course co d be able man serv <b>service</b> <u>top</u> <u>Class</u> 0	E-163, o to discu d on dis ontent to to demo ices clin <b>s Techr</b> 0	or HSE-16 uss clinica scussing a o clinical onstrate th nical expe <b>nology pro</b> <u>Clinical</u> 9	54; I experience pplication o placement. e knowledg riences. <b>ogram is re</b> <u>Work Exp</u> 0	es with of concepts Upon ge, skills, <b>quired.</b> <u>Credit</u> 3				
Cour HSE-163	Corequisites: Description: Se Restriction: HSE Clinical Prerequisites: Corequisites:	Take One: HSE-161, HSE This course provides an op peers and faculty. Emphasi and principles from related completion, students should and attitudes required in hu Enrollment in the Human back to Exp I None Take HSE-160;	-162, HS portunity s is place course co d be able man serv <b>Service</b> <u>top</u> <u>Class</u> 0	E-163, o to discu d on dis ontent to to demo ices clin <b>s Techr</b> <u>Lab</u> 0	or HSE-16 uss clinica scussing a o clinical onstrate th nical expe <b>nology pro</b> <u>Clinical</u> 9	54; I experience pplication o placement. e knowledg riences. <b>ogram is re</b> <u>Work Exp</u> 0	es with of concepts Upon ge, skills, <b>quired.</b> <u>Credit</u> 3				
Cour ISE-163	Corequisites: Description: Se Restriction: HSE Clinical Prerequisites: Corequisites: Description:	Take One: HSE-161, HSE This course provides an op peers and faculty. Emphasi and principles from related completion, students should and attitudes required in hu Enrollment in the Human back to Exp I None Take HSE-160; This course provides super delivery agencies. Emphasi concepts, principles, knowl completion, students should knowledge, and values from	-162, HS portunity s is place course co d be able man serv <b>a Service</b> <u>top</u> <u>Class</u> 0 vised clin is is place ledge, and d be able n human	E-163, o to discu d on discontent to to demo ices cli <b>5 Techr</b> <u>Lab</u> 0 vical exp ed on th d skills to demo services	or HSE-16 uss clinica scussing a o clinical onstrate th nical expe <b>nology pro</b> <u>Clinical</u> 9 perience ir e applicati from relationstrate ar s classes.	54; I experience pplication of placement. e knowledg riences. <b>ogram is re</b> <u>Work Exp</u> 0 human ser on and prace ed course we ad apply ski	es with of concepts Upon ge, skills, <b>quired.</b> <u>Credit</u> 3 vvices ctice of vork. Upon lls,				
Cour ISE-163	Corequisites: Description: Se Restriction: HSE Clinical Prerequisites: Corequisites: Description: Se Restriction:	Take One: HSE-161, HSE This course provides an op peers and faculty. Emphasi and principles from related completion, students should and attitudes required in hu Enrollment in the Human back to Exp I None Take HSE-160; This course provides super delivery agencies. Emphasi concepts, principles, knowl completion, students should knowledge, and values from Enrollment in the Human	-162, HS portunity s is place course co d be able man serv <b>a Service</b> <u>top</u> <u>Class</u> 0 vised clin is is place ledge, and d be able n human	E-163, o to discu d on discontent to to demo ices cli <b>s Techr</b> <u>Lab</u> 0 ical exp ed on th d skills to to demo services	or HSE-16 uss clinical scussing a o clinical onstrate th nical expe <b>nology pro</b> <u>Clinical</u> 9 perience ir e applicati from relationstrate ar s classes. <b>nology pro</b>	54; I experience pplication of placement. e knowledg riences. ogram is re <u>Work Exp</u> 0 human ser on and prace ed course we ad apply ski ogram is re	es with of concepts Upon ge, skills, <b>quired.</b> <u>Credit</u> 3 vices ctice of vork. Upor lls, <b>quired.</b>				

			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>Credit</u>
HSE-210	Human Servic	es Issues	2	0	0	0	2
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course covers current Emphasis is placed on con in a multi-faceted field. Up integrate the knowledge, sl clinical experiences with e	issues and temporary oon compl cills, and o merging t	d trends topics etion, s experie rends in	s in the fie with relev tudents sh nces gaine the field.	ld of human vance to spec nould be able ed in classroo	services. cial issues to om and
Cour	se Restriction:	Enrollment in the Human	n Services	s Techr	nology pro	ogram is req	luired.
		back to	<u>top</u>				
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>Credit</u>
HSE-215	Health Care		3	2	3	0	5
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course introduces bas for patients, residents, or communications, safety, pa personal care, vital signs, commedical terminology, and re- be able to demonstrate the with the North Carolina Net	ic nursing lients in a atient's rig eliminatio nental hea skills nec urse Aide	skills 1 health hts, leg n, nutri alth. Up essary t Registr	required to care setting al and eth tion, emer pon compl to qualify a ry.	o provide per ag. Topics in ical responsi gencies, reha etion, studer as a Nursing	rsonal care clude abilities, abilitation, ats should Assistant 1
Cour	se Restriction:	Enrollment in the Human	n Service	s Techr	nology pro	ogram is req	quired.
		back to	<u>top</u>				
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>Credit</u>
HSE-220	Case Manager	nent	2	2	0	0	3
	Prerequisites:	None					
	Corequisites:	Take HSE-110;					
	Description:	This course covers the vari management. Topics inclue procedures, and follow-up students should be able to from initial contact through	ety of tas de treatmo and integ effectively n terminat	ks asso ent plan ration c y manag ion of s	ciated with ning, need of services ge the care services.	h professiona ds assessmen . Upon comp e of the whol	al case at, referral bletion, e person

**Course Restriction: Enrollment in the Human Services Technology program is required.** 

		back to	<u>top</u>				
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>Credit</u>
HSE-225	Crisis Interver	ntion	3		0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course introduces the Emphasis is placed on iden differential techniques for it completion, students should appropriately.	basic theo atifying ar intervenir d be able	ories an nd demo ng in va to asses	d principle onstrating rious crisi ss crisis sit	es of crisis in appropriate a s situations. tuations and	ntervention. and Upon respond
Cours	se Restriction:	Enrollment in the Humar	n Services	s Techr	ology pro	ogram is req	uired.
		back to	<u>top</u>				
			<u>Class</u>	Lab	Clinical	Work Exp	<u>Credit</u>
HSE-240	Issues in Clier	nt Services	3	0	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course introduces syst in the helping professions. personal values, profession relative to multicultural cou- should be able to understan counseling and apply vario	tems of pr Topics in al respon unseling a ad and dis ous decisio	cofessio clude c sibilitie and rese cuss m on-mak	nal standa onfidentia s, compete earch. Upo ultiple ethi ing model	rds, values, a lity, assessm encies, and e on completion ical issues ap s to current i	and issues aent of thics n, students oplicable to ssues.
Cours	se Restriction:	Enrollment in the Humar	n Services	s Techr	ology pro	ogram is req	uired.
		back to	<u>top</u>				
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>Credit</u>
HSE-250	Counseling		2	2	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course covers the maj including theory, character facilitation of self-explorat personal growth. Upon con various theories of counsel	or approa istics, and ion, probl npletion, ing and d	ches to l techni lem solv student emonst	psychothe ques. Emp ving, decis s should b rate couns	erapy and con- bhasis is place sion making, e able to und beling technice	unseling, ed on and lerstand jues.

Course Restriction: Enrollment in the Human Services Technology program is required.

			back to top				Iuge
			Class	Lab	Clinical	Work Ex	n Credit
HSE-260	HSE Clinical	Supervis II	1	0	0	0	1
	Prerequisites:	None	-	Ũ	Ū	0	-
	Corequisites:	Take One: HSE-26	51. HSE-262. HS	E-263.	or HSE-26	54:	
	Description:	This course provide peers and faculty. E and principles from completion, student and attitudes require	es an opportunity Emphasis is place related course c is should be able ed in human ser	to disc ed on di content t to dem vices cli	uss clinica scussing a to clinical onstrate th nical expe	l experier pplication placemen e knowle riences.	nces with a of concept t. Upon dge, skills,
Cours	e Restriction:	Enrollment in the	Human Service	s Tech	nology pro	ogram is	required.
			back to top				
			Class	<u>Lab</u>	<u>Clinical</u>	Work Ex	<u> Credit</u>
HSE-264	HSE Clinical	Exp II	0	0	12	0	4
	Prerequisites:	None					
	Corequisites:	Take HSE-260;					
	Description:	This course provide services delivery ag practice of concepts work. Upon comple skills, knowledge, a	es additional sup gencies. Emphas s, principles, kno etion, students sh and values from	ervised is is pla owledge ould be human	clinical ex ced on the , and skills able to de services cl	perience applications from relations monstrate asses.	in human on and ated course e and apply
Cours	se Restriction:	Enrollment in the	Human Service	s Tech	nology pro	ogram is :	required.
			back to top				
		HUMA	NITIES (HU	M)			
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Ex	<u>ap</u> <u>Credit</u>
HUM-110	Technology an	nd Society	3	0	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course conside philosophical persp Emphasis is placed Upon completion, s	ers technological ectives and its e on the causes ar tudents should b	change ffect on id conse be able t	from histo human ne equences o o critically	orical, art: eds and co f technolo v evaluate	istic, and oncerns. ogical chang the

							Page   157
		back to	<u>top</u>				
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	<u>Work Exp</u>	<u>Credit</u>
HUM-115	Critical Think	ing	3	0	0	0	3
	State Prerequi	sites: Take One Set					
		Set 1: Take DRE-098;					
		Set 2: Take ENG-095;					
		Set 3: Take RED-090, I	ENG-090	);			
	Corequisites:	None					
	Description:	This course introduces the u human conflict. Emphasis i solving, approaching cross- and dilemmas. Upon comp orally and in writing the use appropriate texts. <u>back to to</u>	use of crit is placed of cultural p letion, stu e of critica	ical thi on eval erspect idents s al think	nking skil uating inf ives, and should be ing skills	ls in the co formation, j resolving c able to den in the anal	ontext of problem controversies nonstrate ysis of
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>Credit</u>
HUM-120	Cultural Studi	es	3	0	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course introduces the d include art, history, music, l Upon completion, students s of the study culture. <u>back to</u>	listinctive iterature, should be <u>top</u>	e featur politic able to	es of a pai s, philosoj o apprecia	rticular cul phy, and re te the uniq	ture. Topics eligion. ue character
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>Credit</u>
HUM-160	Introduction to	o Film	2	2	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course introduces the f production. Topics include well as the social values refi should be able to critically a selected films.	undamen film style lected in i malyze th	tal elen es, histo film art ne elem	nents of fi ory, and pa . Upon co ents cover	Im artistry roduction t ompletion, red in relat	and echniques, as students ion to
		back to	<u>top</u>				

### HYDRAULICS (HYD)

		<u>Class</u>	Lab	<u>Clinical</u>	Work Exp	Credit
HYD-112	Hydraulics-Med/Heavy Duty	1	2	0	0	2

Prerequisites: None

Corequisites: None

Description: This course introduces hydraulic theory and applications as applied to mobile equipment. Topics include component studies such as pumps, motors, valves, cylinders, filters, reservoirs, lines, and fittings. Upon completion, students should be able to identify, diagnose, test, and repair hydraulic systems using schematics and technical manuals.

### back to top

### **INDUSTRIAL SCIENCE (ISC)**

			<u>Class</u>	Lab	<u>Clinical</u>	Work Exp	<u>p</u> <u>Credit</u>
ISC-112	Industrial Scie	ence	2	0	0	0	2
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course introduces the	principles	of ind	ustrial safe	ety. Emph	asis is plac

Description: This course introduces the principles of industrial safety. Emphasis is placed on industrial safety and OSHA regulations. Upon completion, students should be able to demonstrate knowledge of a safe working environment and OSHA compliance.

#### back to top

### **INFORMATION SYSTEMS (CIS)**

		<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	Credit
CIS-110	Introduction to Computers	2	2	0	0	3
	Local Prerequisites:		Tal	ke CIS-07	0;	

Corequisites: None

Description: This course introduces computer concepts, including fundamental functions and operations of the computer. Topics include identification of hardware components, basic computer operations, security issues, and use of software applications. Upon completion, students should be able to demonstrate an understanding of the role and function of computers and use the computer to solve problems.

			Class	Lah	Clinical	Work Fy	Page   1
CIS_111	Basic PC Lite	<b>1</b> 901/	<u>C1055</u>	<u>Lao</u> 2	<u>emicar</u>		2 <u>crean</u>
C15-111	Dasie I C Lite	None	1	2	0	0	2
	Corequisites:	None					
	Description:	This course provides ar on the use of personal of fundamental workplace demonstrate basic perso	n overview of computers and cuse. Upon conal compute	compu d softw complet r skills.	iter concep are applica ion, studen back to to	ots. Emphations for p nts should <u>p</u>	asis is place personal and be able to
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>p</u> Credit
CIS-115	Intro to Prog a	and Logic	2	3	0	0	3
	State Prerequi	sites: Take One Set:					
		Set 1: DMA-010,	DMA-020, D	MA-03	30, and DN	MA-040;	
		Set 2: DMA-050 a	and DMA-04	0;			
		Set 3: MAT-121;					
		Set 4: MAT-171					
	Local Prerequ	isites:		No	ne		
	Corequisites:	None					
	Description:	This course introduces structured program logi types, program organiz logic control structures down algorithm design programming language	computer pro ic environment ation, probler . Upon compl and implemet	gramm nt. Top n solvi letion, s ent algo	ing and pr ics include ng method students sh rithmic so	oblem sol e language s, algorith hould be ab lutions in a	ving in a syntax, data m design, a ble to use to a
Competen	cies						
1. Ap	ply control struc	ctures					
2. Ap	ply top-down al	gorithmic design.					
3. Im	plement algorith	mic solutions in a progr	amming lang	uage.			

P a g e | 160

# INFORMATION SYSTEMS SECURITY (SEC)

			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	<u>Work Exp</u>	<u>Credit</u>
SEC-110	Security Conc	eepts	2	2	0	0	3
	Prerequisites:						
	Corequisites:	None					
	Description:	This course introduces the conformation systems and the information security control networking and security, set role of policy, people, and production, students should create an information security and enforce policy.	concepts a e develop ls. Topic curity iss processes l be able t ity policy	and issument of s inclu ues, tre in info to iden c, and io	ues related of policies de the hist ends, secur ormation se tify inform dentify pro	I to securing to implement corical view city resource ecurity. Up thation security occesses to in	nt of es, and the on ity risks, nplement
		back to	top				
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>Credit</u>
SEC-150	Secure Comm	unications	2	2	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course provides an over secure transport of informate through encryption, Virtual completion, students should technologies.	erview of tion acros Private N l be able	curren s netw Networ to impl	t technolo orks. Topi ks, SSL, S ement sec	gies used to ics include d SH, and IPS ure data trai	provide lata integrity Sec. Upon 1smission
		back to	<u>top</u>				
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>Credit</u>
SEC-160	Security Adm	inistration I	2	2	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course provides an over fundamentals of designing set technologies, TCP/IP concer monitoring, and security be able to identify normal network design basic security defenses back to	erview of security a epts, proto st practic vork traff ses. top	securit rchitec ocols, r es. Upo ic usin	ty adminis tures. Top tetwork tra on comple g network	tration and bics include affic analysi tion, studen analysis too	networking s, ts should be bls and
		<u>ouen to</u>	<u>-~</u> P				

			<u>Class</u>	<u>Lab</u>	Clinical	Work Exp	<u>p</u> <u>Credit</u>		
SEC-210	Intrusion Dete	ection	2	2	0	0	3		
	Prerequisites:								
	Corequisites:	None							
	Description:	This course introduces the student to intrusion detection methods in use today. Topics include the types of intrusion detection products, traffic analysis, and planning and placement of intrusion detection solutions. Upor completion, students should be able to plan and implement intrusion detection solution for networks and host-based systems.							
		back to	top						
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>o</u> Credit		
SEC-260	Security Adm	in II	2	2	0	0	3		
	Prerequisites:								
	Corequisites:	None							
	Description.	information security contro	ols. Topic	s incluc	le advance	d network	ing and		
		TCP/IP concepts, network completion, students should anomalous network traffic, implement security solution	vulnerabi d be able identify ns.	lity ana to disti commo	lysis, and nguish bet n network	monitorin ween norn attack pat	g. Upon nal and terns, and		
		TCP/IP concepts, network to completion, students should anomalous network traffic, implement security solution <u>back to</u>	vulnerabi d be able identify ns. <u>top</u>	lity ana to disti commo	llysis, and nguish bet n network	monitorin ween norn attack pat	g. Upon nal and terns, and		
		TCP/IP concepts, network completion, students should anomalous network traffic, implement security solution <u>back to</u>	vulnerabi d be able identify ns. <u>top</u> <u>Class</u>	lity ana to disti commo <u>Lab</u>	lysis, and nguish bet n network <u>Clinical</u>	monitorin ween norn attack pat <u>Work Ex</u>	g. Upon nal and terns, and <u>p Credit</u>		
SEC-285	Systems Secu	TCP/IP concepts, network completion, students should anomalous network traffic, implement security solution <u>back to</u> rity Project	vulnerabi d be able identify ns. <u>top</u> <u>Class</u> 1	lity ana to disti commo <u>Lab</u> 4	lysis, and nguish bet n network <u>Clinical</u> 0	monitorin ween norn attack pat <u>Work Ex</u> J 0	g. Upon nal and terns, and <u>p Credit</u> 3		
SEC-285	Systems Secu Prerequisites:	TCP/IP concepts, network completion, students should anomalous network traffic, implement security solution <u>back to</u> rity Project	vulnerabi d be able identify ns. <u>top</u> <u>Class</u> 1	lity ana to disti commo <u>Lab</u> 4	lysis, and nguish bet n network <u>Clinical</u> 0	monitorin ween norn attack pat <u>Work Ex</u> 0	g. Upon hal and terns, and <u>p Credit</u> 3		
SEC-285	Systems Secur Prerequisites: Corequisites:	TCP/IP concepts, network completion, students should anomalous network traffic, implement security solution <u>back to</u> rity Project None	vulnerabi d be able identify ns. <u>top</u> <u>Class</u> 1	lity ana to disti commo <u>Lab</u> 4	lysis, and nguish bet n network <u>Clinical</u> 0	monitorin ween norn attack pat <u>Work Ex</u> 0	g. Upon hal and terns, and <u>p Credit</u> 3		
SEC-285	Systems Secur Prerequisites: Corequisites: Description:	TCP/IP concepts, network completion, students should anomalous network traffic, implement security solution <u>back to</u> rity Project None This course provides the sta competencies acquired in th Emphasis is placed on secu definition, business continu systems security architectur design and implement com the planning and design pha	vulnerabi d be able identify ns. <u>top</u> <u>Class</u> 1 1 udent the he progra rity polic ity, comp re. Upon prehensiv ase throu	lity ana to disti- commo <u>Lab</u> 4 opport m that f cy, proc pliance, comple ze infor gh impl	lysis, and nguish bet n network <u>Clinical</u> 0 unity to ap focus on sy ess plannin auditing, tion, stude mation sec ementatio	monitorin ween norm attack pat <u>Work Exp</u> 0 oply the ski ystems sec ng, proced testing pro ents should curity arch n.	g. Upon hal and terns, and <u>p Credit</u> 3 ills and urity. ure ocedures and l be able to itecture fror		

# LEGAL EDUCATION (LEX)

			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>p</u> <u>Credit</u>
LEX-110	Intro to Parale	egal Study	2	0	0	0	2
	Local Prerequ	isites:		Tal	ke One Set	ι:	
		Set 1: Take DRE-098;	,				
		Set 2: Take ENG-090,	RED-09	0;			
		Set 3: Take ENG-095,	, ENG09:	5A;			
	Corequisites:	None					
	Description:	This course introduces the p emphasis is placed on the re- include regulations, ethics, opportunities, professional topics. Upon completion, s paralegal and identify the sh paralegals.	paralegal ole of pro case anal organizat tudents s kills, kno	profession ofession ysis, le ions, te hould b wledge	sion and the al and leg gal reason erminology be able to e and ethic	le legal system al ethics. ' ing, career and other explain the construction of the con	stem, and an Topics related role of a or

			Class	Lab	Clinical	Work Ext	Page   16 Credit		
LEX-120	Legal Researc	ch / Writing	<u>enuss</u> 2	<u>1240</u> 2	0	0	3		
	Local Prerequ	isites:	_	– Tal	xe One Set	:	C		
	1"	Set 1: Take DRE-09	8:						
		Set 2: Take ENG-09	0, RED-09	90;					
		Set 3: Take ENG-095	5, ENG095	A:					
	Corequisites:	None	,	,					
L EX 120	Description:	This course introduces the Emphasis is placed on loc law; effective legal writin electronic research metho perform legal research and the course. <u>back to top</u>	This course introduces the techniques of legal research and writing. Emphasis is placed on locating, analyzing, applying, and updating sou law; effective legal writing, including proper citation; and the use of electronic research methods. Upon completion, student should be able perform legal research and writing assignments using techniques cover the course. <u>back to top</u>						
EV 120			<u>Class</u>	Lab	Clinical	Work Exp	<u>credit</u>		
LEX-130	Civil Injuries	····	3	U T-1	0	0	3		
	Local Prerequ	Set 1. Take DBE 00	0.	1 81	te Olle Set	•			
		Set 2: Take ENG 00	$0, \mathbf{DED} 0 0$	0.					
		Set 3: Take ENG 09	5 ENG00	5 A ·					
	Corequisites	None	5, ENG07.	л,					
	Description:	This course covers tradition individual rights created be intentional torts with emp workplace and environment completion, students show elements of civil injuries at back t	onal tort co by statute. hasis on ne ental liabili ild be able and related	oncepts Topics egligend ty, remo to reco defens	and the ev include in ce, strict li edies and o gnize, exp es.	volving boo tentional a ability, civ damages. lain, and e	ly of nd non- il rights, Upon valuate		

				<b>x</b> 1	01: 1		Page	1		
			<u>Class</u>	Lab	Clinical	Work Ex	<u>kp</u> <u>Credit</u>			
LEX-140	Civil Litigation	n I	3	0	0	0	3			
	Local Prerequ	isites:		Tal	ke One Set					
		Set 1: Take DRE-098;								
		Set 2: Take ENG-090, RED-090;								
		Set 3: Take ENG-095, ENG095A;								
	Corequisites:	Corequisites: None								
	Description:	This course introduces the governing civil litigation. of civil procedure and evic to assist an attorney in pre	e structure Topics in dence. Up e-litigation	of the l clude ju on com matters	egal system arisdiction apletion, st s and prepar	m and the state and udents sh aration of	rules federal ru ould be ab pleadings	les ole ai		

motions.

				Class	Lab	Clinical	Work Ex	Page   165
LEX-141	Civil Litigatio	on II		2	2	0	0	3
	State and Loc	al Prerequisites: Ta	ake One Se	t				
		Se Pt	et 1: Take rerequisite)	DRE-098 ,	8, ENG	-090, LEX	K-140 (Sta	te
			RED-0	090;				
		Se (S	et 2: Take	DRE-098	8, ENG	-095, ENG	G-095A, L	EX-140
			Prereq	[uisite);				
	Corequisites:	None						
	Description:	This course cove include motions, completion, stude organizing docur	rs advance discovery, ents should nents for tr	d topics i and trial l be able ial, settle	in the c and ap to assis ement a	ivil litigati pellate pro t an attorn nd post-tri	ion process ocedures. ley in prep ial practice	s. Topics Upon aring and e. <u>back to top</u>
		_		<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Ex	<u>p</u> <u>Credit</u>
LEX-150	Commercial I	Law I	2	2	0	0	3	
	Local Prerequisites: Take One Set:							
		Set 1: Take	DRE-098;					
		Set 2: Take	ENG-090,	RED-09	90; 			
		Set 3: Take	ENG-095,	ENG09:	5A;			
	Corequisites:	None						
	Description:	This course cove and selected port drafting and enfo selection and imp commercial pape elements of a com the role of comm	rs legally e ions of the preement of plementationers. Upon contract, prep hercial pape	Inforceab Uniform contract on of bus completion are varioner.	ble agree Comm ts, lease iness or on, stud bus busi	ements, fo nercial Coo es, and rela ganization ents shoul ness docu	orms of org de. Topics ated docum n forms, sa ld be able t ments, and	ganization, s include nents and les and to apply the l understand
			back to	<u>top</u>				

							Page   166
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Ex	<u>p</u> <u>Credit</u>
LEX-210	Real Property	Ι	3	0	0	0	3
	Local Prerequ	isites:		Tal	ke One Set	t:	
		Set 1: Take DRE-098	3;				
		Set 2: Take ENG-090	), RED-09	0;			
		Set 3: Take ENG-095	5, ENG093	5A;			
	Corequisites:	None					
	Description:	This course introduces the distinction between real ar conveyance and encumbra related topics. Upon comp forms of deeds, requirement to real property.	study of r nd persona ince, recor pletion, stu nts for rec	eal prope l prope dation, idents s ording,	perty law. rty, variou special pr hould be a and proce	Topics in s estates, s oceedings able to ide edures to e	iclude the mechanics of , and other ntify estates, nforce rights
		back to	o top				
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Ex	<u>p</u> Credit
LEX-211	Real Property	II	1	4	0	0	3
	State and Loc	al Prerequisites: Take One S	Set:				
		Set 1: Take DRE-098	3, ENG-09	0, LEX	2-210 (Stat	te Prerequ	isite),
		RED-090;					
		Set 2: Take DRE-098	8, ENG-09	5, ENC	G-095A, L	EX-210 (S	State
Prerequisit	æ);						
	Corequisites:	None					
	This course c I I I I I I I I I I I I I I I I I I I	continues the study of real p preparation of closing docur public records in title exami- real estate transactions and c o plot / draft a description, p locuments including title in reconciliation. <u>back to top</u>	roperty la nents. Top nation and closings. U perform co surance fo	w relati bics incl l prepar Upon co omplete rms, an	ng to title lude use of ation of de ompletion, title exan d prepare	examinati f courthou ocuments s students s nination, d disbursem	on and se and other required in should be able raft closing tent

			Class	Lah	Clinical	Work Fy	Page  1		
IEX 240	Family I aw		<u>Class</u> 3	<u>Lao</u>	<u>Cinicai</u>		<u>p crean</u> 3		
LEA-240	Local Drorocu	isitas	3		va Ona Sat	0	3		
	Local Flelequ	Set 1. Take DDE 0	<u>n</u> ø.	1 ai	te Olle Sel	•			
		Set 1: Take DRE-0	90; 00 DED 00	0.					
		Set 2: Take ENG-0	90, RED-09						
		Set 3: Take ENG-0	95, ENG095	DA;					
	Corequisites:	Corequisites: None							
	2 comp wom	marriage, separation, div adoption, domestic viole students should be able t documents related to fam	orce, child o nce, and oth o interview nily law. <u>bac</u>	custody er relat clients, k to top	y, support, ted topics. gather inf	property o Upon co Formation,	division, mpletion, , and draft		
			Class	<u>Lab</u>	<u>Clinical</u>	Work Ex	<u>p</u> Credit		
LEX-250	Wills, Estates	, and Trusts	2	2	0	0	3		
	Local Prerequ	isites:		Tal	ke One Set	-•			
		Set 1: Take DRE-098;							
		Set 2: Take ENG-0	90, RED-09	0;					
		Set 3: Take ENG-09	95, ENG095	A;					
	Corequisites:	None							
	Description:	This course covers vario administration, and intes requirements, caveats an accountings, distribution completion, students sho forms, understand admin terms regarding trusts	us types of v tacy Topics d dissents, i and settlem uld be able istration of eack to top	wills, tr s includ ntestate nent, an to draft estates	rusts, proba le types of e succession d other rel t simple wa including	ate, estate wills and on, invento ated topic ills, prepa taxation, a	execution ories and s. Upon re estate and explain		

			Class	Lab	Clinical	Work Exr	Page   1 Credit	
LEX-270	Law Office M	lanagement / Technology	1	2	0	0	2	
	Local Prerequ	isites:	Take One Set:					
		Set 1: Take DRE-098	•					
		Set 2: Take ENG-090	, RED-09	90;				
		Set 3: Take ENG-095	, ENG09:	5A;				
	Corequisites:	None						
	Description:	organization. Topics include office forms, filing systems, billing / time keeping, computer systems, calendar systems, library administration, case management, office / personnel procedures, ethics, and technology. Upon completion, students should be able to establish and maintain various law office systems, monitor case progress, and supervise non-lawyer personnel. <u>back to top</u>						
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	<u>Work Exp</u>	<u>Credit</u>	
LEX-271	Law Office W	1	2	0	0	2		
	Local Prerequ	isites:	Take One Set:					
		Set 1: Take DRE-098	;					
		Set 2: Take ENG-090	, RED-09	0;				
		Set 3: Take ENG-095	, ENG095	5A;				
	Corequisites:	None						
	corequisites.	INOILE						

			Class	Lab	Clinical	Work Ex	p <u>Credit</u>	
LEX-280	Ethics and Pro	ofessionalism	2	0	0	0	2	
	Local Prerequ	isites:		Tal	ke One Set			
		Set 1: Take DRE-098	;					
		Set 2: Take ENG-090	, RED-09	90;				
		Set 3: Take ENG-095	, ENG09:	5A;				
	Corequisites:	None						
	Description:	This course reinforces legal ethics and the role of the paralegal in a professional work environment. Topics include a review of ethics, employment opportunities, and search techniques; paralegal certification and other related topics. Upon completion, students should be able to understand the paralegal's role in the ethical practice of law.						
		back to	<u>top</u>					
		MARINE	(MRN)					
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Ex	p Credit	
MRN-121	Marine Engin	es	2	6	0	0	4	
	State Prerequisites: None							
	Corequisites:	None						
	Description:	Description: This course covers two and four cycle diesel engines that are used for marine vessel propulsion. Emphasis is placed on construction, design, cooling systems, lubrication systems, and air-intake systems. Upon completion, students should be able to test, troubleshoot, diagnose and repair marine engine systems						
		back to	<u>top</u>					
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Ex	p <u>Credit</u>	
MRN-147	Marine Power	r Trains	2	6	0	0	4	
	State Prerequi	sites: None						
	Corequisites:	None						
	Description:	This course covers the prin Emphasis is placed on mari installation aboard vessels. service, and trouble shoot r	ciples and ne gears, Upon con narine po	d functi drive l mpletio wer tra	on of mari ines, gear on, student ins.	ine power reduction, s should b	trains. and e able to test,	
		back to	top					

			l	Page   170
<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	Credit
2	9	0	0	5

MRN-150 Adv Marine Electrical Sys

State Prerequisites: Take TRN-120;

Corequisites: None

Description: This course covers the skills necessary to wire 12-volt direct current and 120volt alternating current electrical systems found on modern boats and marine applications. Topics include wirer sizing, batteries, wire harnesses, distribution panels, electronic component installation, and electrical system troubleshooting, including generators operation and disassembly. Upon completion students should be able to diagnose, test, and repair advanced electrical systems in marine applications and boats.

### back to top

### MARINE PROPULSION SYSTEMS (MPS)

		<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	Credit
MPS-101	Introduction to Outboards	3	6	0	0	5

State Prerequisites: None

Corequisites: None

Description: This course introduces the principles of outboard engine construction, operation, and internal combustion component parts. Topics include outboard models and makes; electrical ignition, charge, warning, and starting components; fuel tank, lines, and pumps; oil blend systems; and carburetor systems. Upon completion, students should be able to identify, troubleshoot, and repair various outboard fuel/electrical systems, use service manuals, and follow environmental safety practices/procedures.

### back to top

		<u>Class</u>	Lab	<u>Clinical</u>	Work Exp	Credit
MPS-102	Outboard Powerhead Systems	3	6	0	0	5
	State Duone quisite a. Non a					

State Prerequisites: None

Corequisites: None

Description: This course introduces basic powerhead designs and functions on a variety of outboard makes and models. Topics include identifying the complete outboard powerhead cylinder block, crank shaft, bearings, pistons, and connecting rod assembly system and techniques to test/troubleshoot powerhead components. Upon completion, students should be able to troubleshoot, test, and rebuild powerhead systems with specific attention to parts identification, tolerance inspection, assembly, and installation.

						]	Page   17	71
back to top								
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>Credit</u>	
MPS-103	Outboard Lower Unit System		3	6	0	0	5	
	State Prerequisites: None							

Corequisites: None

Description: This course covers the principles of gear cases, power trim/tilt systems, propellers, and gear shifting systems on a variety of outboard engines. Topics include identifying gear case models (forward/reverse, clutch, bearings, drive, prop shafts, and water pumps) and power trim/tilt systems (hydraulics/pump motors/senders/design). Upon completion, students should be able to troubleshoot, service, and rebuild outboard engine gear cases and power trim and tilt systems.

### back to top

### MARKETING AND RETAILING (MKT)

		<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	Credit
MKT-120	Principles of Marketing	3	0	0	0	3

State Prerequisites: None

Corequisites: None

Description: This course introduces principles and problems of marketing goods and services. Topics include promotion, placement, and pricing strategies for products. Upon completion, students should be able to apply marketing principles in organizational decision making.

### Competencies

Student Learning Outcomes

- 1. Define the role of marketing in business.
- 2. Explain the role of selling, customer relations and product management in marketing.
- 3. Describe marketing.
- 4. Define pricing and channel management strategies.

			Class	Lob	Clinical	Work Ex	Page   1		
			<u>C1855</u>	Lau	<u>Ciiiicai</u>	WOIK LA	<u> Cieun</u>		
MKT-123	Fundamentals	of Selling	3	0	0	0	3		
	State Prerequi	erequisites: None							
	Corequisites:	None							
	Description:	This course is designed to emphasize the necessity of selling skills in a modern business environment. Emphasis is placed on sales techniques involved in various types of selling situations. Upon completion, students should be able to demonstrate an understanding of the techniques covered.							
Competence	cies								
Student Le	arning Outcom	es							
1. Ide	ntify appropriat	te sales techniques for variou	ıs selling	situatio	ons.				
2. Des	scribe sales tech	nniques.							

3. Explain the necessity of selling skills in modern business environment.

### back to top

# MASONRY (MAS)

			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>p</u> <u>Credit</u>
MAS-140	Intro to Mason	nry	1	2	0	0	2
	State Prerequisites: None						
	Corequisites:	None					
	Description: This course introduces basic principles and practices of masonry. T include standard tools, materials, and practices used in basic mason other related topics. Upon completion, students should be able to de an understanding of masonry and be able to use basic masonry tech						
back to top							

Page   17	13
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### **MATHEMATICS (MAT)**

			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	<u>Work Exp</u> (	<u>Credit</u>	
MAT-003	Transition Ma	th	0	6	0	0	3	
	State Prerequi	tate Prerequisites: None						
	Corequisites:	None						
	Description:	Description: This course provides an opportunity to customize foundation in specific math areas and will include developing a grow include developing the academic habits, learning strateging growth mindset necessary to be successful in mathematic students should be able to build a stronger foundation for gateway level math courses by obtaining skills through a						

instructional strategies with emphasis placed on the most essential prerequisite knowledge.

### back to top

		<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	Credit
MAT-010	Math Measurement & Literacy Su	0	2	0	0	1

State Prerequisites: None

Corequisites: None

Description: This course provides an opportunity to customize foundational math content specific to Math Measurement & Literacy. Topics include developing the academic habits, learning strategies, social skills, and growth mindset necessary to be successful in mathematics. Upon completion, students should be able to build a stronger foundation for success in Math Measurement & Literacy by obtaining skills through a variety of instructional strategies with emphasis placed on the most essential prerequisite knowledge.

						Page	174
		<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Ex	<u>p</u> <u>Credit</u>	
MAT-043	Quantitative Literacy Support	1	2	0	0	2	
	State Prerequisites: None						

Corequisites: None

Description: This course provides an opportunity to customize foundational math content specific to Quantitative Literacy. Topics include developing the academic habits, learning strategies, social skills, and growth mindset necessary to be successful in mathematics. Upon completion, students should be able to build a stronger foundation for success in Quantitative Literacy by obtaining skills through a variety of instructional strategies with emphasis placed on the most essential prerequisite knowledge.

#### back to top

		<u>Class</u>	Lab	<u>Clinical</u>	Work Exp	Credit
MAT-052	Statistical Methods I Support	1	2	0	0	2

State Prerequisites: None

Corequisites: None

Description: This course provides an opportunity to customize foundational math content specific to Statistical Methods I. Topics include developing the academic habits, learning strategies, social skills, and growth mindset necessary to be successful in mathematics. Upon completion, students should be able to build a stronger foundation for success in Statistical Methods I by obtaining skills through a variety of instructional strategies with emphasis placed on the most essential prerequisite knowledge.

Class

Lab

Clinical Work Exp Credit

2

### back to top

MAT-071 Precalculus Alegebra Support 0 4 0 0

State Prerequisites: None

Corequisites: None

Description: This course provides an opportunity to customize foundational math content specific to Precalculus Algebra. Topics include developing the academic habits, learning strategies, social skills, and growth mindset necessary to be successful in mathematics. Upon completion, students should be able to build a stronger foundation for success in Precalculus Algebra by obtaining skills through a variety of instructional strategies with emphasis placed on the most essential prerequisite knowledge.

				<b>T</b> 1	<u>Cl: : 1</u>		Page   175	
			<u>Class</u>	Lab	Clinical	Work Ex	<u>credit</u>	
MAT-110	Math Measure	ement & Literacy	2	2	0	0	3	
	State Prerequi	sites: Take One Set:						
		Set 1: DMA-010,DM	1A-020, ar	nd DMA	<b>A-030</b>			
		Set 2: DMA-025;						
		Set 3: MAT-003						
		Set 4: BSP-4002						
	Corequisites:	Take MAT-010						
	Description:	This course provides an ac skills and mathematical line math intensive programs. within a variety of measure geometric concepts; finan central tendency, dispersion should be able to demonst solve practical problems, a	s course provides an activity-based approach that develops measurement is and mathematical literacy using technology to solve problems for non h intensive programs. Topics include unit conversions and estimation in a variety of measurement systems; ratio and proportion; basic metric concepts; financial literacy; and statistics including measures of ral tendency, dispersion, and charting of data. Upon completion, studen ald be able to demonstrate the use of mathematics and technology to re practical problems, and to analyze and communicate results.					
Competence	cies							
Student Le	arning Outcom	es						

- 1. Demonstrate estimation skills and justify results.
- 2. Use dimensional analysis to convert units of measurement.
- 3. Employ fractions, percentages and proportions to solve contextual problems.
- 4. Compute geometric measurements of perimeter, area, volume and angles.
- 5. Use technology to analyze and interpret elements of personal finance.
- 6. Compare and contrast measures of center and measures of dispersion.
- 7. Interpret tables, charts, and graphs and communicate results.

		Class	Lab	Clinical	Work Ex	<b>Page</b>   17 p Credit
MAT-141	Mathematical Concepts	3	0	0	0	3
	State Prerequisites: Take One Set:					
	Set 1: Take DMA	A-010, DMA-(	)20, DN	/IA-030, E	MA-040	
	Set 2: DMA-025	AND DMA-0	040			
	Set 3: Take MAT	-121				
	Set 4: Take MAT	-171				
	Set 5: Take MAT	-003				
	Set 6: Take BSP-	4003				
	Corequisites: None					

Description: This course is the first of a two-course sequence that develops a deeper understanding and appreciation of the basic concepts of mathematics. Emphasis is placed on sets, logic, number bases, elementary number theory, introductory algebra, measurement including metrics, and problem solving. Upon completion, students should be able to communicate orally and in writing these basic mathematical concepts.

			~1		~		Page   17
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Ex	<u>p</u> <u>Credit</u>
MAT-143	Quantitative I	iteracy	2	2	0	0	3
	State Prerequi	sites: Take One Set:					
		Set 1: DMA-010, I	DMA-020, D	MA-0	30, DMA-0	40, DMA	A-050, DRE-
098							
		Set 2: DMA-010, I	DMA-020, D	MA-0	30, and EN	G 002	
		Set 3: DMA-010, I	DMA-020, D	MA-0	30, and BS	P-4002	
		Set 4: DMA-025 a	nd DRE-098				
		Set 5: DMA-025 a	nd ENG-002				
		Set 6: DMA-025 a	nd BSP-4002	2			
		Set 7: MAT-003 at	nd DRE-098				
		Set 8: MAT-003 at	nd ENG-002				
		Set 9: MAT-003 and	nd BSP-4002	2			
		Set 10: BSP-4003	and DRE-09	8;			
		Set 11: BSP-4003	and ENG-00	2			
		Set 12: BSP-4003	and BSP-400	)2			
	Corequisites:	Take MAT-043					
	Description.	This course is designed	to engage sti	idents	in complex	and reali	stic situation

Description: This course is designed to engage students in complex and realistic situations involving the mathematical phenomena of quantity, change and relationship, and uncertainty through project- and activity-based assessment. Emphasis is placed on authentic contexts which will introduce the concepts of numeracy, proportional reasoning, dimensional analysis, rates of growth, personal finance, consumer statistics, practical probabilities, and mathematics for citizenship. Upon completion, students should be able to utilize quantitative information as consumers and to make personal, professional, and civic decisions by decoding, interpreting, using, and communicating quantitative information found in modern media and encountered in everyday life.

### Competencies

Student Learning Outcomes

- 1. Judge the reasonableness of results using estimation, logical processes, and a proper understanding of quantity
- 2. Utilize proportional reasoning to solve contextual problems and make conversions involving various units of measurement
- 3. Identify, interpret, and compare linear and exponential rates of growth to make predictions and informed decisions based on data and graphs

- 4. Differentiate between simple and compound interest and analyze the long-term effects of saving, investing, and borrowing
- 5. Describe, analyze, and interpret statistical information such as graphs, tables, and summarized data to draw appropriate conclusions when presented with actual statistical studies
- 6. Determine probabilities and expected values and use them to assess risk and make informed decisions
- 7. Analyze civic and/or societal issues and critique decisions using relevant mathematics

			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	Credit
MAT-152	Statistical Methods I		3	2	0	0	4
	State Prerequisites: Take	One Set:					
	Set 1:	DMA-010, DM	A-020, D	MA-03	0, and DF	RE-098	
	Set 2:	DMA-010, DM	A-020, D	MA-03	0, and EN	IG-002	
	Set 3:	DMA-010, DM	A-020, D	MA-03	0, and BS	P-4002	
	Set 4:	DMA-025 and	DRE-098				
	Set 5:	DMA-025 and	ENG-002				
	Set 6:	DMA-025 and	BSP-4002	2			
	Set 7:	MAT-003 and I	ORE-098				
	Set 8:	MAT-003 and I	ENG-002				

Set 9: MAT-003 and BSP-4002

Set 10: BSP-4003 and DRE-098

Set 11: BSP-4003 and ENG-002

Set 12: BSP-4003 and BSP-4002

Corequisites: Take MAT-052

Description: This course provides a project-based approach to introductory statistics with an emphasis on using real-world data and statistical literacy. Topics include descriptive statistics, correlation and regression, basic probability, discrete and continuous probability distributions, confidence intervals and hypothesis testing. Upon completion, students should be able to use appropriate technology to describe important characteristics of a data set, draw inferences about a population from sample data, and interpret and communicate results.

### Competencies

Student Learning Outcomes

1. Organize, display, calculate, and interpret descriptive statistics

2. Apply basic rules of probability

3. Identify and apply appropriate probability distributions

4. Perform regression analysis

5. Analyze sample data to draw inferences about a population parameter

6. Communicate results through a variety of media

#### back to top

		<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	Credit
MAT-171	Precalculus Algebra	3	2	0	0	4

State Prerequisites: Take One Set:

Set 1: DMA-010, DMA-020, DMA-030, DMA-040, and DMA-050 Set 2: DMA-010, DMA-020, DMA-030, DMA-045 Set 3: DMA-025, DMA-045 Set 4: DMA-025, DMA-040, DMA-050 Set 5: MAT-121 Set 6: MAT-003

Set 7: BSP-4003

Corequisites: Take MAT-071

Description: This course is designed to develop topics which are fundamental to the study of Calculus. Emphasis is placed on solving equations and inequalities, solving systems of equations and inequalities, and analysis of functions (absolute value, radical, polynomial, rational, exponential, and logarithmic) in multiple representations. Upon completion, students should be able to select and use appropriate models and techniques for finding solutions to algebra-related problems with and without technology.

Competencies

Student Learning Outcomes

- 1. Use analytical, graphical, and numerical representations to solve absolute value, radical, polynomial, rational, exponential, and logarithmic equations with both real and complex solutions.
- 2. Use analytical, graphical, and numerical representations to solve absolute value, polynomial and rational inequalities with real solutions.
- 3. Use analytical, graphical, and numerical representations to analyze absolute value, radical, polynomial, rational, exponential and logarithmic functions with both real and complex zeros.

- 4. Use multiple methods to solve problems involving systems of equations and apply to decomposing partial fractions.
- 5. Construct the composition and inverse of functions.
- 6. Use polynomial, exponential and logarithmic functions to model various real world situations in order to analyze, draw conclusions, and make predictions.

#### back to top

		<u>Class</u>	Lab	<u>Clinical</u>	Work Exp	Credit
MAT-172	Precalculus Trigonometry	3	2	0	0	4

State Prerequisites: Take MAT-171

Corequisites: None

Description: This course is designed to develop an understanding of topics which are fundamental to the study of Calculus. Emphasis is placed on the analysis of trigonometric functions in multiple representations, right and oblique triangles, vectors, polar coordinates, conic sections, and parametric equations. Upon completion, students should be able to select and use appropriate models and techniques for finding solutions to trigonometryrelated problems with and without technology.

### Competencies

#### Student Learning Outcomes

- 1. Use the unit circle and right triangle definitions to evaluate and graph trigonometric functions and their inverses, to derive trigonometric identities, and to simplify trigonometric expressions.
- 2. Use multiple methods to solve problems involving trigonometric equations, right triangles, and oblique triangles.
- 3. Demonstrate knowledge of vector definitions and perform vector operations.
- 4. Convert equations and graphs between rectangular and polar coordinate systems, and apply to complex numbers.
- 5. Use multiple representations to define, construct and analyze conic sections.
- 6. Create, graph, and analyze parametric equations.
MAT-263 Brief Calculus

			•	Page	181
<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	Credit	
3	2	0	0	4	

State Prerequisites: Take MAT-171;

Corequisites: None

Description: This course is designed to introduce concepts of differentiation and integration and their applications to solving problems. Topics include graphing, differentiation, and integration with emphasis on applications drawn from business, economics, and biological and behavioral sciences. Upon completion, students should be able to demonstrate an understanding of the use of basic calculus and technology to solve problems and to analyze and communicate results.

Competencies

Student Learning Outcomes

- 1. Calculate limits and verify using graphical, numerical and analytical methods.
- 2. Interpret the derivative as a rate of change.
- 3. Analyze and interpret the derivative of algebraic, exponential, and logarithmic functions.
- 4. Evaluate antiderivatives and definite integrals of algebraic, exponential, and logarithmic functions.
- 5. Apply derivatives and integrals to business, economics, and biological and behavioral sciences contexts.
- 6. Use appropriate technology and communicate results through a variety of media.

### back to top

	<u>Class</u>	Lab	<u>Clinical</u>	Work Exp	<u>Credit</u>
MAT-271 Calculus I	3	2	0	0	4

State Prerequisites: Take MAT-172

Corequisites: None

Description: This course is designed to develop the topics of differential and integral calculus. Emphasis is placed on limits, continuity, derivatives and integrals of algebraic and transcendental functions of one variable. Upon completion, students should be able to select and use appropriate models and techniques for finding solutions to derivative-related problems with and without technology.

## Competencies

Student Learning Outcomes

- 1. Apply the definition of limit to evaluate limits by multiple methods and use it to derive the definition and rules for differentiation and integration.
- 2. Use derivatives to analyze and graph algebraic and transcendental functions.
- 3. Select and apply appropriate models and differentiation techniques to solve problems involving algebraic and transcendental functions; these problems will include but are not limited to applications involving optimization and related rates.
- 4. Apply the definition of indefinite integral to solve basic differential equations.
- 5. Apply the definition of definite integral to evaluate basic integrals.
- 6. Use the fundamental theorem of calculus to evaluate integrals involving algebraic and transcendental functions.

#### back to top

		<u>Class</u>	Lab	<u>Clinical</u>	Work Exp	Credit
MAT-272	Calculus II	3	2	0	0	4

State Prerequisites: Take MAT-271;

Corequisites: None

Description: This course is designed to develop advanced topics of differential and integral calculus. Emphasis is placed on the applications of definite integrals, techniques of integration, indeterminate forms, improper integrals, infinite series, conic sections, parametric equations, polar coordinates, and differential equations. Upon completion, students should be able to select and use appropriate models and techniques for finding solutions to integralrelated problems with and without technology.

Competencies

Student Learning Outcomes

- 1. Select and apply appropriate models and integration techniques to solve problems involving algebraic and transcendental functions; these problems will include but are not limited to applications involving volume, arc length, surface area, centroids, force and work.
- 2. Evaluate proper and improper integrals using various integration techniques.
- 3. Analyze the convergence and divergence of infinite sequences and series and find the Taylor and McLaurin representations for transcendental functions.
- 4. Use differentiation and integration to analyze the graphs of polar form equations and parametric form equations.
- 5. Solve separable and first-order linear differential equations.

6. Analyze and graph conic sections using calculus techniques.

#### back to top

			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	Credit
MAT-273	Calculus III		3	2	0	0	4
	State Prerequi	isites: Take MAT-272;					
	Corequisites:	None					
	Description:	This course is designed to a Emphasis is placed on multi integration, solid analytical surface integrals. Upon corr appropriate models and tec related problems with and y	develop the tivariate f geometry npletion, hniques f without te	he topic functior y, vecto student for findi echnolo	es of multi ns, partial o or valued f as should b ing the sol gy.	variate calc derivatives, unctions, and be able to se ution to mu	ulus. multiple nd line and elect and use iltivariate-
Competence	cies						
Student Le	arning Outcom	es					

- 1. Perform operations with vectors in two and three dimensional space and apply to analytic geometry.
- 2. Differentiate and integrate vector-valued functions and apply calculus to motion problems in two and three dimensional space.
- 3. Determine the limits, derivatives, gradients, and integrals of multivariate functions.
- 4. Solve problems in multiple integration using rectangular, cylindrical, and spherical coordinate systems.
- 5. Select and apply appropriate models and techniques to define and evaluate line and surface integrals; these techniques will include but are not limited to Green's, Divergence, and Stoke's theorems.
- 6. Demonstrate proficiency in using CAS technology to analyze, solve and interpret the various applications.

#### back to top

		<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	Credit
MAT-280	Linear Algebra	2	2	0	0	3

State Prerequisites: Take MAT-271

Corequisites: None

Description: This course provides an introduction to linear algebra topics. Emphasis is placed on the development of abstract concepts and applications for vectors, systems of equations, matrices, determinants, vector spaces, multi-dimensional linear transformations, eigenvectors, eigenvalues, diagonalization and orthogonality. Upon completion, students should be able to demonstrate understanding of the theoretical concepts and select and use appropriate models and techniques for finding solutions to linear algebra-related problems with and without technology.

### Competencies

Student Learning Outcomes

- 1. Use analytical and graphical representations to apply vector operations in multiple-dimensions.
- 2. Solve systems of linear equations using multiple manual and technology-based methods; these methods will include but are not limited to Gaussian and Gauss-Jordan.
- 3. Use eigenvalues, eigenvectors and diagonalization to solve problems in appropriate situations.
- 4. Use matrix operations and linear transformations to solve problems in appropriate situations.
- 5. Demonstrate knowledge of orthogonal projections and orthogonal complements of subspaces, and apply to appropriate situations.
- 6. Use the fundamental concept of a basis for a subspace to give a precise definition of dimensions and rank, and to solve problems in appropriate situations.
- 7. Demonstrate proficiency in using CAS technology to analyze, solve and interpret the various applications.

#### back to top

		<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	Credit
AT-285	Differential Equations	2	2	0	0	3

State Prerequisites: Take MAT-272

Corequisites: None

Description: This course provides an introduction to topics involving ordinary differential equations. Emphasis is placed on the development of abstract concepts and applications for first-order and linear higher-order differential equations, systems of differential equations, numerical methods, series solutions, eigenvalues and eigenvectors, and LaPlace transforms. Upon completion, students should be able to demonstrate understanding of the theoretical concepts and select and use appropriate models and techniques for finding solutions to differential equations-related problems with and without technology.

#### Competencies

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Student Learning Outcomes

- 1. Find general solutions to first-order, second-order, and higher-order homogeneous and nonhomogeneous differential equations by manual and technology-based methods.
- 2. Identify and apply initial and boundary values to find particular solutions to first-order, secondorder, and higher order homogeneous and non-homogeneous differential equations by manual and technology-based methods, and analyze and interpret the results.

- 3. Select and apply appropriate methods to solve differential equations; these methods will include, but are not limited to, undetermined coefficients, variation of parameters, eigenvalues and eigenvectors, LaPlace and inverse LaPlace transforms.
- 4. Select and apply series techniques to solve differential equations; these techniques will include but are not limited to Taylor series.
- 5. Select and apply numerical analysis techniques to solve differential equations; these techniques will include but are not limited to Euler, Improved Euler, and Runge-Kutta.
- 6. Demonstrate proficiency in using CAS technology to analyze, solve and interpret the various applications.

### back to top

# **MECHANICAL (MEC)**

		Class	<u>s Lab</u>	<u>Clinical</u>	Work Exp	Credit
MEC-172	Intro to Metallurgy	2	2	0	0	3
	Prerequisites: None					

Corequisites: None

Description: This course covers the production, properties, testing, classification, microstructure, and heat-treating effects of ferrous and non-ferrous metals. Topics include the iron-carbon phase diagram, ITT diagram, ANSI code, quenching, senescing, and other processes concerning metallurgical transformations. Upon completion, students should be able to understand the iron-carbon phase diagram, ITT diagram, microstructure images, and other

back to top

phenomena concerning the behavior of metals.

Page | 186

# MEDICAL ASSISTING (MED)

			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>p</u> Credit
MED-110	Orientation to	Medical Assisting	1	0	0	0	1
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course covers the histor assistant in the health care s communication, attitude, be Upon completion, students promote the profession of n	bry of me setting. E chaviors, should be nedical as	dicine a Emphase and dut e able to ssisting	and the rol is is placed ties in the pproject a	e of the m d on profes medical er positive a	edical ssionalism, ivironment. ittitude and
	Course Restric	ction: Enrollment in the M	edical A	ssisting	g program	ı is requir	ed.
		back to	<u>top</u>				
			<u>Class</u>	<u>Lab</u>	Clinical	Work Exp	<u>p</u> <u>Credit</u>
MED-112	Orientation to	Clinical Setting I	0	0	3	0	1
	Prerequisites:	None					
	Corequisites:	None					
		medical setting. Emphasis including appointment sche techniques, billing, collection procedures. Upon completion administrative and clinical p	is placed duling, fi ons, medi ion, stude procedure	on meo iling, gr ical reco ents sho es in tho	dical assist reeting pat ords, and r ould be abl e medical	ting proceed ients, telep related mean e to identi environme	lures phone dical fy ent.
	Course Restric	ction: Enrollment in the M	edical A	ssisting	g program	ı is requir	ed.
		back to	<u>top</u>				
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>p</u> <u>Credit</u>
MED-116	Introduction to	o Anatomy and Physiology	3	2	0	0	4
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course introduces basis the relationship between bo common to health care. Up body system components an delivery of health care.	c anatom dy struct oon comp nd functio	y and p ure and letion, s ons rela	hysiology function a students sl ting this k	. Emphasi and the pro- hould be al nowledge	is is placed on ocedures ble to identify to the
(	Course Restric	ction: Enrollment in the M	edical A	ssisting	g program	ı is requir	ed.
		back to	top				

							Page   18	57
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work	Exp Credit	
MED-118	Medical Law	and Ethics	2	0	0	0	2	
	Prerequisites:	None						
	Corequisites:	None						
	Description:	This course covers legal rela agreements, professional lia informed consent, and bioet professional attitudes, and p involved in providing media be able to meet the legal and professional.	ationship ibility, ma thical issu principles cal servic d ethical	s of ph alpracti- ies. Er and ba es. Up respons	ysicians a ice, medic nphasis is usic concep oon comple sibilities o	nd pati- al prac placed pts of e etion, s f a mul	ents, contractual tice acts, l on legal terms, ethics and laws students should lti-skilled health	
	Course Restric	tion: Enrollment in the M	edical As	ssisting	g progran	ı is req	luired.	
		back to	<u>top</u>					
			<u>Class</u>	Lat	<u>Clini</u>	<u>cal</u> <u>V</u>	Vork Exp Credit	t
MED-120	Survey of Mee	dical Terminology	2	0	0	0	2	
	Prerequisites:	None abbreviations, and symbols placed on building medical Upon completion, students accepted medical terms. <u>ba</u>	Core This used in th terms usi should be ack to top	quisite course he lang ng pref e able to	s: None introduce uage of m fixes, suffi o pronoun	e E s the ve edicine exes, ar ce, spe	Description: ocabulary, e. Emphasis is nd word roots. 11, and define	
			<u>Class</u>	Lat	<u>o</u> <u>Clini</u>	<u>cal</u> <u>V</u>	Vork Exp Credit	t
MED-121	Medical Term	inology I	3	0	0	0	3	
	Prerequisites:	None word roots used in the lange vocabulary and the terms th conditions, and treatment of should be able to pronounce selected body systems and t	Core This Lage of m at relate t f selected e, spell, at their path	quisite course redicing to the a systen nd defi ologica	s: None introduce e. Topics natomy, p ns. Upon ne medica il disorder	e E s prefiz include hysiole comple l terms s. <u>back</u>	Description: xes, suffixes, and e medical ogy, pathologica etion, students s as related to to top	d ıl

			Class	Lah	Clinical	Work Ext	n Credit
MED 122	Modical Torm	inology II	2	<u>Lao</u>	<u>cinicar</u>		2 <u>crean</u>
MICD-122	State Drago gui	niology II	5	0	0	0	5
	State Prerequis	sites: Take MED-121;					
	Corequisites:	None					
	Description:	include medical vocabulary physiology, pathological co Upon completion, students medical terms as related to disorders. <u>back to top</u>	a series and the nditions, should b selected	or mean terms th and tre e able to body sy	at relate t pat relate t eatment of p pronoun estems and	o the anato selected s ce, spell, a their path	rses. Topic omy, ystems. nd define ological
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	p Credit
MED-130	Administrative	e Office Procedures I	1	2	0	0	2
	Prerequisites:	None					
	Corequisites: Description:	None This course introduces med	ical offic	e admii	nistrative j	procedures	. Topics
	Corequisites: Description:	None This course introduces med include appointment proces records, patient orientation, able to perform basic admir environment. <b>Course Restri-</b> <b>program is required.</b>	ical offic sing, wri and safe nistrative iction: I	e admin tten and ty. Upo skills v E <b>nrollm</b>	nistrative j d oral com on comple vithin the a <b>nent in th</b> e	procedures imunicatio tion, stude medical e <b>Medical</b>	<ul> <li>Topics</li> <li>ns, medical</li> <li>ents should b</li> <li>Assisting</li> </ul>
	Corequisites: Description:	None This course introduces med include appointment process records, patient orientation, able to perform basic admir environment. <b>Course Restri-</b> <b>program is required.</b>	ical offic sing, wri and safe nistrative iction: H top	e admin tten and ty. Upo skills v E <b>nrollm</b>	nistrative j d oral com on comple vithin the i <b>nent in th</b> e	procedures imunicatio tion, stude medical e <b>Medical</b>	. Topics ns, medical ents should b <b>Assisting</b>
	Corequisites: Description:	None This course introduces med include appointment process records, patient orientation, able to perform basic admir environment. <b>Course Restri- program is required.</b> <u>back to</u>	ical offic sing, wri and safe istrative iction: H top <u>Class</u>	e admin tten and ty. Upo skills v Enrollm <u>Lab</u>	nistrative j d oral com on comple vithin the <b>nent in th</b> e <u>Clinical</u>	procedures imunicatio ition, stude medical e <b>Medical</b>	5. Topics ns, medical ents should b <b>Assisting</b> <u>p Credit</u>
MED-131	Corequisites: Description: Administrative	None This course introduces med include appointment proces records, patient orientation, able to perform basic admir environment. <b>Course Restri- program is required.</b> <u>back to</u>	ical offic sing, wri and safe istrative iction: H ictop <u>Class</u> 1	e admin tten and ty. Upo skills v Enrollm <u>Lab</u> 2	nistrative j d oral com on comple vithin the <b>nent in th</b> e <u>Clinical</u> 0	procedures imunicatio ition, stude medical e <b>Medical</b> <u>Work Ex</u>	5. Topics ns, medical ents should b <b>Assisting</b> <u>p Credit</u> 3
MED-131	Corequisites: Description: Administrative Prerequisites:	None This course introduces med include appointment process records, patient orientation, able to perform basic admir environment.Course Restrict program is required. back to e Office Procedures II None medical office procedures in include physical plant main coverage, medical economic completion, students should office and supervise person Medical Assisting program	ical offic sing, wri and safe istrative iction: I top <u>Class</u> 1 Loca Desc n both ec tenance, cs, and in l be able nel. Cou n is requ	te admin tten and ty. Upo skills v Enrollm <u>Lab</u> 2 al Corec cription conomic equipm troduct to mana urse Rea iired.	nistrative j d oral comp on comple- vithin the in- nent in the <u>Clinical</u> 0 quisites: : This is and mana- isent and su tory insura- age the eco- striction:	procedures imunicatio ition, stude medical e Medical <u>Work Exp</u> 0 MEI course pro- agement sk ipplies, lia ance procee onomics of Enrollme	5. Topics ns, medic ents shoul Assisting <u>p Credit</u> 3 D-130; ovides cills. Top bility dures. Up f the med ent in the

			<u>Class</u>	<u>Lab</u>	Clinical	Work Exp	p Credit
MED-138	Infection / Ha	zard Control	2	0	0	0	2
	Prerequisites:	None infection and hazard contr	Core This ol procedu	equisites course ires neco	None None introduces essary for t	Desc the stude he health	eription: ent to acare worke
		Topics include introduction Sterilization and Monitori Infectious diseases, and ap students should be able to disease, disease transmission management, OSH standa <b>Restriction: Enrollment</b>	on to Micro ng, Chemi oplicable N demonstra ion, infecti rds, and ap <b>in the Me</b>	obiology cal Disi North Ca ate an ur ion cont oplicable edical A	y, Practical nfectants, A rolina laws nderstandin rol procedu e North Ca ssisting pr	Infectior Aseptic T s. Upon o g of infe ures, bioh rolina lav	a Control, Fechnique, completion, ctious azard ws. <b>Course</b> s required.
		back t	<u>o top</u>				
			<u>Class</u>	Lab	<u>Clinical</u>	Work Ex	p <u>Credit</u>
MED-140	Examining Ro	om Procedures I	3	4	0	0	5
		examining room procedur assisting with exams and t administration of medicati Upon completion, student exam room procedures. <b>C</b> Assisting program is req	This es. Topics creatment, ions, EKG s should b Course Res juired.	course s include patient e , vital si e able to striction	provides ir e asepsis, in education, gns, and m demonstra <b>: Enrolln</b>	struction fection of preparation edical end ate component in the	in clinical control, on and nergencies. etence in he Medical
		back t	<u>o top</u>				
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>p</u> Credit
MED-150	Laboratory Pr	ocedures I	3	4	0	0	5
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course provides instr assistant. Topics include a processing specimens, per follow-up of test results, a students should be able to	uction in b lab safety, forming so nd OSHA perform b	asic lab quality elective / CLIA asic lab	techniques control, co tests, phleb regulation tests / skil	s used by llecting a potomy, s s. Upon ls based o	the medica and screening ar completion on course

back to top

is required.

			<u>Class</u>	Lab	Clinical	Work Ex	<u>n age</u>   1 ap <u>Credit</u>
MED-230	Administrativ	e Office Procedures III	1	2	0	0	2
	State Prerequi	sites: Take MED-131;					
	Corequisites:	None					
	Description:	This course provides adva Emphasis is placed on man practice management, pub completion, students shou assisting skills. <b>Course Re</b> <b>program is required.</b>	nced medi nagement lic relation ld be able estriction:	ical offi skills ir ns, and to exhil <b>Enrol</b>	ce admini ncluding p insurance bit advanc <b>Iment in t</b>	strative pr ersonnel s coding. U ed manag he Medic	rocedures. supervision, Jpon erial medica cal Assisting
		back to	o top				
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Ex	<u>xp</u> Credit
				2	0	0	2
MED-232	Medical Insur	ance Coding	1	3	0	0	
MED-232	Medical Insur Local Prerequ	ance Coding isites:	1	5 Tal	ce MED-1	31;	
MED-232	Medical Insur Local Prerequ Corequisites: Description:	ance Coding isites: None This course is designed to	1 build upo	Tal	ce MED-1	31; s introduc	ed in MED
MED-232	Medical Insur Local Prerequ Corequisites: Description:	ance Coding isites: None This course is designed to 131. Emphasis is placed o outpatient facility. Upon c proficiency in coding for r in the Medical Assisting	l build upo n advance completion reimburser <b>program</b>	Tal n the co d diagn , studer nent. <b>Co</b> <b>is requ</b>	te MED-1 oding skills ostic and p nts should ourse Rest ired.	31; s introduc procedura be able to t <b>riction:</b>	ed in MED l coding in t demonstrat <b>Enrollmen</b> t
MED-232	Medical Insur Local Prerequ Corequisites: Description:	ance Coding isites: None This course is designed to 131. Emphasis is placed o outpatient facility. Upon c proficiency in coding for r in the Medical Assisting <u>back te</u>	l build upo n advance completion reimburser <b>program</b> o top	Tal n the cc d diagn , studer nent. <b>Co</b> <b>is requ</b>	te MED-1 oding skills ostic and p nts should <b>Durse Res</b> <b>ired.</b>	31; s introduc procedura be able to t <b>riction:</b>	ed in MED l coding in t demonstrat <b>Enrollmen</b> t
MED-232	Medical Insur Local Prerequ Corequisites: Description:	ance Coding isites: None This course is designed to 131. Emphasis is placed o outpatient facility. Upon c proficiency in coding for r <b>in the Medical Assisting</b> <u>back te</u>	l build upo n advance completion reimburser <b>program</b> o top <u>Class</u>	Tal n the co d diagn a, studer nent.Co is requ <u>Lab</u>	ce MED-1 oding skills ostic and p nts should ourse Rest ired. <u>Clinical</u>	31; s introduc procedura be able to triction:	ed in MED l coding in t demonstrat <b>Enrollmen</b> t
MED-232 MED-240	Medical Insur Local Prerequ Corequisites: Description:	ance Coding isites: None This course is designed to 131. Emphasis is placed of outpatient facility. Upon c proficiency in coding for r <b>in the Medical Assisting</b> <u>back to</u> Procedures II	l build upo n advance completion reimburser <b>program</b> o top <u>Class</u> 3	Tal n the co d diagn a, studer nent.Co <b>is requ</b> <u>Lab</u> 4	te MED-1 oding skills ostic and p nts should ourse Rest ired. <u>Clinical</u> 0	31; s introduc procedura be able to triction: <u>Work Ex</u> 0	eed in MED l coding in t demonstrat <b>Enrollmen</b> <u>Ep Credit</u> 5
MED-232 MED-240	Medical Insur Local Prerequ Corequisites: Description: Exam Room F Local Prerequ	ance Coding isites: None This course is designed to 131. Emphasis is placed of outpatient facility. Upon c proficiency in coding for r <b>in the Medical Assisting</b> <u>back te</u> Procedures II isites:	1 build upo n advance completion reimburser <b>program</b> o top <u>Class</u> 3	Tal n the co d diagn studer nent.Co <b>is requ</b> <u>Lab</u> 4 Tal	te MED-1 oding skills ostic and p nts should <b>ourse Res</b> <b>ired.</b> <u>Clinical</u> 0 ce MED-1	31; s introduc procedura be able to triction: <u>Work Ex</u> 0 40;	eed in MED l coding in t demonstrat <b>Enrollmen</b> <u>op Credit</u> 5
MED-232 MED-240	Medical Insur Local Prerequ Corequisites: Description: Exam Room F Local Prerequ Corequisites:	ance Coding isites: None This course is designed to 131. Emphasis is placed of outpatient facility. Upon c proficiency in coding for r in the Medical Assisting <u>back te</u> Procedures II isites: None	l build upo n advance completion reimburser <b>program</b> <u>o top</u> <u>Class</u> 3	Tal n the co d diagn studer nent.Co is requ <u>Lab</u> 4 Tal	ce MED-1 oding skills ostic and p nts should <b>ourse Res</b> <b>ired.</b> <u>Clinical</u> 0 ce MED-1	31; s introduc procedura be able to triction: <u>Work Ex</u> 0 40;	eed in MED l coding in t o demonstrat <b>Enrollmen</b> t <u>Ep Credit</u> 5
MED-232 MED-240	Medical Insur Local Prerequ Corequisites: Description: Exam Room F Local Prerequ Corequisites: Description:	ance Coding isites: None This course is designed to 131. Emphasis is placed o outpatient facility. Upon c proficiency in coding for r in the Medical Assisting back to Procedures II isites: None This course is designed to 140. Emphasis is placed o completion, students shou selected exam room proce Medical Assisting progra	l build upo n advance completion reimburser <b>program</b> <u>o top</u> <u>Class</u> <u>3</u> expand an n advance ld be able dures. <b>Cou</b> <b>am is requ</b>	Tak n the co d diagn nent.Co is requ <u>Lab</u> 4 Tak nd build d exam to demo urse Re-	ce MED-1 oding skills ostic and p nts should <b>Durse Res</b> <b>ired.</b> <u>Clinical</u> 0 ce MED-1 l upon skil room proc onstrate er <b>striction:</b>	<ul> <li>31;</li> <li>s introductoroceduration be able to the able to the triction:</li> <li>Work Ex 0</li> <li>40;</li> <li>ls present cedures. Unhanced comparison to the triction of tricti</li></ul>	ed in MED l coding in t o demonstrat Enrollment (ap <u>Credit</u> 5 ed in MED Jpon ompetence i ent in the

			<u>Class</u>	Lab	Clinical	Work Exp	Credit
MED-260	MED Clinical	Practicum	0	0	15	0	5
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course provides the op administrative skills in a m competence in clinical and patient care and strengthen Upon completion, students care professional. <b>Course I</b> <b>Assisting program is requ</b>	pportunity edical fac administr ing profes should be <b>Restrictio</b> iired	to app cility. E cative sl ssional e able to n: Enr	ly clinical Emphasis i kills neces communic o function <b>collment i</b>	, laboratory s placed on sary for con cations and as an entry <b>n the Medi</b>	r, and enhancing mprehensive interactions -level health cal
		back to	<u>top</u>				
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	Credit
MED 264	Medical Assis	ting Overview	2	0	0	0	2
WED-204							
WIED-204	Prerequisites:	None					
MED-204	Prerequisites: Corequisites: Description:	None None This course provides an ov curriculum. Emphasis is p	erview of laced on a	the could facet	mplete me	dical assisti cal assisting	ing g pertinent to
MED-204	Prerequisites: Corequisites: Description:	None None This course provides an ov curriculum. Emphasis is p administrative, laboratory, environment. Upon compl competence in the areas co medical assistants. <b>Course</b> <b>Assisting program is requ</b>	erview of laced on a and clinic etion, stu- vered on <b>Restriction</b> <b>ired.</b>	the con all facet cal proc dents sh the nati <b>on: En</b>	mplete me as of medic redures per nould be a onal certif <b>rollment</b>	dical assisti cal assisting rformed in t ble to demo fication exa <b>in the Med</b>	ing pertinent to the medical onstrate mination for <b>ical</b>
WED-204	Prerequisites: Corequisites: Description:	None None This course provides an ov curriculum. Emphasis is p administrative, laboratory, environment. Upon compl competence in the areas co medical assistants. <b>Course</b> <b>Assisting program is requ</b>	erview of laced on a and clinic etion, stu- vered on <b>Restriction ired.</b>	the con all facet cal proc dents sh the nati <b>on: En</b>	mplete me as of medic redures per nould be a onal certif <b>rollment</b>	dical assisti cal assisting rformed in t ble to demo fication exa <b>in the Med</b>	ing pertinent to the medical onstrate mination for <b>lical</b>
MED-204	Prerequisites: Corequisites: Description:	None None This course provides an ov curriculum. Emphasis is p administrative, laboratory, environment. Upon compl competence in the areas co medical assistants. <b>Course</b> <b>Assisting program is requ</b> <u>back to</u>	erview of laced on a and clinic etion, stu- vered on <b>Restriction nired.</b> <u>top</u> <u>Class</u>	the con all facet cal proc dents sh the nati <b>on: En</b> <u>Lab</u>	mplete me s of medic redures per nould be a onal certif <b>rollment</b>	dical assisti cal assisting rformed in t ble to demo fication exa <b>in the Med</b>	ing pertinent to the medical onstrate mination for <b>lical</b>
MED-204	Prerequisites: Corequisites: Description: Symptomatolo	None None This course provides an ov curriculum. Emphasis is p administrative, laboratory, environment. Upon compl competence in the areas co medical assistants. <b>Course</b> <b>Assisting program is requ</b> <u>back to</u>	erview of laced on a and clinic etion, stu- vered on <b>Restriction nired.</b> <u>Class</u> 2	the con all facet cal proc dents sh the nati <b>on: En</b> <u>Lab</u> 2	mplete me is of medic redures per hould be a onal certif <b>rollment</b>	dical assisti cal assisting rformed in t ble to demo fication exa <b>in the Med</b> <u>Work Exp</u> 0	ing g pertinent to the medical onstrate mination for <b>ical</b> <u>Credit</u> 3
MED-204 MED-270 150;	Prerequisites: Corequisites: Description: Symptomatolo Local Prerequi	None None This course provides an ov curriculum. Emphasis is p administrative, laboratory, environment. Upon compl competence in the areas co medical assistants. <b>Course</b> <b>Assisting program is requ</b> <u>back to</u> Pgy isites:	erview of laced on a and clinic etion, stu- vered on <b>Restriction nired.</b> <u>Class</u> 2	the con all facet cal proc dents sh the nati <b>on: En</b> <u>Lab</u> 2 Tak	mplete me s of medic redures per hould be a onal certif <b>conal certif</b> <b>conal certif</b>	dical assisti cal assisting rformed in t ble to demo ication exa <b>in the Med</b> <u>Work Exp</u> 0 22, MED-1	ing g pertinent to the medical onstrate mination for <b>lical</b> <u>Credit</u> 3 40, MED-
MED-204 MED-270 150;	Prerequisites: Corequisites: Description: Symptomatolo Local Prerequi	None None This course provides an ov curriculum. Emphasis is p administrative, laboratory, environment. Upon compl competence in the areas co medical assistants. <b>Course</b> <b>Assisting program is requ</b> <u>back to</u> Pgy isites:	erview of laced on a and clinic etion, stu- vered on <b>Restriction nired.</b> <u>Class</u> 2 D-116;	the con all facet cal proc dents sh the nati <b>on: En</b> <u>Lab</u> 2 Tak	mplete me as of media redures per hould be a onal certif arollment <u>Clinical</u> 0 ce MED-1	dical assisti cal assisting rformed in t ble to demo ication exa <b>in the Med</b> <u>Work Exp</u> 0 22, MED-1	ing g pertinent to the medical onstrate mination for <b>lical</b> <u>Credit</u> 3 40, MED-

							Page   192
		back	<u>to top</u>				
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Ex	<u>xp</u> <u>Credit</u>
MED-274	Diet Therapy	/ Nutrition	3	0	0	0	3
	Local Prerequ	isites:		Tal	ke One Set	•	
		Set 1: Take MED-	116;				
		Set 2: Take BIO-10	63, MED-122	2;			
	Corequisites:	None					
	Description:	This course introduces t and disease. Topics incl weight management, and completion, students sho provide patient counseli	he basic prin lude basic nu d therapeutic puld be able t ng and educa	ciples o trients nutriti o inter tion.	of nutrition , physiolog on in well pret clinic	n as they a gy, dietary ness and die al and die	relate to health y deficiencies, disease. Upon etary data and
(	Course Restric	tion: Enrollment in the	e Medical As	sisting	g program	ı is requi	red.
		back	<u>to top</u>				
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Ex	<u>kp</u> Credit
MED-276	Patient Educa	tion	1	2	0	0	2
	Local Prerequ	isites:		Tal	ke MED-1	14, MED	-122;
	Corequisites:	None					
	Description:	This course is designed principles, and knowled this knowledge to the cli- appropriate community and perfecting written and student should be able to liaison between the patie <b>Enrollment in the Med</b>	to provide co ge of availab inical setting resources, de nd oral comm o instruct, co ent and comm lical Assistin	ommun le com . Emp velopi nunicat mmuni nunity g prog	ication ski munity res hasis is pla ng patient ion skills. cate effect agencies. gram is re	ills, basic sources an aced on ic education Upon co tively, and Course R quired.	education nd to apply lentifying n materials, ompletion, d act as a estriction:
		back	<u>to top</u>				
		MUSI	C (MUS)				
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Ex	<u>kp</u> <u>Credit</u>
MUS-110	Music Apprec	iation	3	0	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course is a basic su placed on the elements of	rvey of the n of music, terr	nusic o ninolog	f the West gy, compo	ern world sers, forn	l. Emphasis is n, and style

		within a historical perspecti demonstrate skills in basic l music. <u>back to top</u>	ve. Upo istening	n comp and unc	letion, stu lerstandin	dents shoul g of the art	d be able to of		
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	Credit		
MUS-111	Fundamentals	of Music	3	0	0	0	3		
	Prerequisites:	None							
	Corequisites:	None	None						
	Description:	This course is an introducto background. Emphasis is p scales, key signatures, inter- should be able to demonstra music. <u>back to top</u>	ry course laced on vals, and ite an une	e for stu music i chords derstand	idents with notation, r . Upon co ding of the	h little or no hythmic pa ompletion, s e rudiments	o music tterns, students of		
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>Credit</u>		
AUS-112	Introduction to	o Jazz	3	0	0	0	3		
	Prerequisites:	None							
	Corequisites:	None							
	Description:	This course introduces the or contributions of its major ar discriminating listening hab structural forms of the jazz to demonstrate skills in lister music. <u>back to top</u>	origins ar tists. En its, as we idiom. U ening and	nd musi nphasis ell as th Jpon co l unders	cal compo- is placed e investig mpletion, standing th	onents of jaz on the deve ation of the students sh nis form of	zz and the elopment of styles and hould be able American		
			<u>Class</u>	Lab	<u>Clinical</u>	Work Exp	Credit		
MUS-113	American Mu	sic	3	0	0	0	3		
	Prerequisites:	None							
	Corequisites:	None							

Page | 194

# NETWORKING OPERATING SYSTEMS (NOS)

			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>Credit</u>
NOS-110	Operating Sys	stems Concepts	2	3	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course introduces stud concepts, including installa operating system concepts, required. Upon completion understanding of OS concepts a variety of operating system	ents to a tion and r manager of this co pts, instat ms.	broad r mainter nent, m ourse, st llation,	ange of op nance. Emp aintenance tudents wi manageme	perating sys phasis is pl e, and reso Il have an ent, mainte	stem ace on urces mance, using
Competend	cies						

- 1. Identify steps to install various operating systems.
- 2. Analyze maintenance needs.
- 3. Identify features and purposes of various operating systems.

			Class	Lab	<u>Clinica</u> l	Work Exp	<u> Credit</u>
NOS-120	Linux/UNIX S	Single User	2	2	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course develops the ne and command line skills for Topics include Linux file s VI editor, X Window Syste network and printing utilitie customize and use Linux sy desktop productivity roles.	ecessary s r using ar ystem and em expres es. Upon ystems for back to to	skills fo nd custo d access sion pa comple r comm	r students omizing a s permissi- ttern mate tion, stude and line re	to develop Linux work ons, GNOM hing, I/O re ents should equirement	both GUI estation. ME Interface edirection, be able to as and
			<u>Class</u>	Lab	<u>Clinical</u>	Work Exp	<u>Credit</u>
NOS-130	Windows Sing	gle User	2	2	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course introduces ope Topics include hardware m and utilities. Upon comple systems functions at the su	rating sys anagemention, stud pport leve	tem con nt, syste ents she el in a si	ncepts for em config ould be ab ingle-user	singer-user uration/opt le to perfor environme	r systems. imization, rm operatin ent. <u>back to</u>
		<u>top</u>					
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	<u>Work Exp</u>	<u>Credit</u>
NOS-220	Linux/Unix A	dmin I	<u>Class</u> 2	<u>Lab</u> 2	<u>Clinical</u> 0	<u>Work Exp</u> 0	<u>o Credit</u> 3
NOS-220	Linux/Unix A Prerequisites:	dmin I Take NOS-120	<u>Class</u> 2	<u>Lab</u> 2	<u>Clinical</u> 0	<u>Work Exp</u> 0	o <u>Credit</u> 3
NOS-220	Linux/Unix A Prerequisites: Corequisites:	dmin I Take NOS-120 None	<u>Class</u> 2	<u>Lab</u> 2	<u>Clinical</u> 0	Work Exp 0	o <u>Credit</u> 3

							Page   19
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Ex	<u>p</u> <u>Credit</u>
NOS-230	Windows Admi	nistration I	2	2	0	0	3
	Prerequisites: N	None					
	Corequisites: N	None					
	Description: T o n s	This course covers the inst operating system. Emphas network services, Active I students should be able to	allation and sis is place Directory a install and	nd conf ed on th and grou l config	iguration on the basic con up policies gure a Wing	f a Windo nfiguratio . Upon co lows Serv	ows Server n of core ompletion, ver operating

system.back to top

Page | 197

# NETWORKING TECHNOLOGY (NET)

			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>Credit</u>		
NET-110	Networking C	concepts	2	2	0	0	3		
	Prerequisites:	None							
	Corequisites:	None							
	Description:	This course introduces study network terminology and pro- OSI model, cabling, router pro- network standards. Upon co- tasks related to networking Ethernet, subnetting, and Te	is course introduces students to the networking field. Topics include twork terminology and protocols, local-area networks, wide-area network SI model, cabling, router programming, Ethernet, IP addressing, and twork standards. Upon completion, students should be able to perform iks related to networking mathematics, terminology, and models, media, hernet, subnetting, and TCP/IP Protocols. <u>back to top</u>						
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>Credit</u>		
NET-125	Introduction to	o Networks	1	4	0	0	3		
	Prerequisites:	None							
	Corequisites:	None							
	Description:	This course introduces the a models of the Internet and c the principles of IP address media, and operations. Upo simple LANs, perform basic implement IP addressing sc	architectu computer ing and fr n comple c configu hemes. <u>ba</u>	networ networ undame etion, st trations ack to te	cture, fund ks. Topics entals of E udents sho for router	ctions, comp include int thernet conc ould be able is and switch	ponents, and roduction to cepts, to build hes, and		
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>Credit</u>		
NET-126	Routing Basic	S	1	4	0	0	3		
	State Prerequi	sites: None							
	Corequisites:	None							
	Description:	This course focuses on initial router configuration, router software management, routing protocol configuration, TCP/IP, and access control li (ACLs). Emphasis will be placed on the fundamentals of router configuration, managing router software, routing protocol, and access lists. Upon completion, students should have an understanding of routers and the role in WANs, router configuration, routing protocols, TCP/IP, troubleshooting, and ACLs. <u>back to top</u>							

			<u>Class</u>	<u>Lab</u>	Clinical	Work Exp	<u>p</u> <u>Credit</u>
NET-130	Convergence	Concepts	2	2	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course provides an inter- managing data, voice, and re- include telephony, converge network hardware and arch converged network security demonstrate an understandia and multimedia networks.	roduction multimed ed netwo itecture, o 7. Upon c ing of the ack to top	to desi ia conv rks, cor converg ompleti tasks r	igning, im ergence ap overgence ged networ ion, studer elated to c	plementing oplications application rk manager nts should converging	g, and . Topics ns, converge ment and be able to data, voice
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>p</u> Credit
NET-175	Wireless Tech	nology	2	2	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	1			1 7		1 1111 1	
	Ĩ	with different communicati Protocol (WAP), Wireless I discovery protocol, transpo students should be able to d procedures required for diff	on protoc Mark-up rt layer an liscuss in ferent win	cols. To languag nd frequ written reless aj	pics inclu- ge (WML) uency ban and oral to pplications	de Wireles , link man d. Upon co form proto s. <u>back to to</u>	as Application ager, service ompletion, cols and op
		with different communicati Protocol (WAP), Wireless I discovery protocol, transpo students should be able to c procedures required for diff	on protoc Mark-up rt layer an liscuss in ferent win <u>Class</u>	cols. To languag nd frequ written reless ap <u>Lab</u>	pics inclu- ge (WML) uency ban and oral to pplications <u>Clinical</u>	de Wireles , link man d. Upon co form proto s. <u>back to to</u> <u>Work Ex</u>	as Application ager, service ompletion, cols and op <u>credit</u>
NET-225	Routing & Sw	with different communicati Protocol (WAP), Wireless I discovery protocol, transpo students should be able to d procedures required for diff	on protoc Mark-up rt layer an liscuss in ferent win <u>Class</u> 1	cols. To languag nd frequ written reless aj <u>Lab</u> 4	pics inclu- ge (WML) uency ban and oral to pplications <u>Clinical</u> 0	de Wireles , link man d. Upon co form proto s. <u>back to to</u> <u>Work Ex</u> J 0	ager, servic ompletion, cols and op <u>c Credit</u> 3
NET-225	Routing & Sw Prerequisites:	with different communicati Protocol (WAP), Wireless I discovery protocol, transpo students should be able to d procedures required for diff	on protoc Mark-up rt layer an liscuss in ferent win <u>Class</u> 1	cols. To languag nd frequ written reless aj <u>Lab</u> 4	pics inclu- ge (WML) uency ban and oral to pplications <u>Clinical</u> 0	de Wireles 9, link man d. Upon co form proto s. <u>back to to</u> <u>Work Ex</u> 0	as Applications ager, servicompletion, cols and op <u>p</u> <u>Credit</u> 3
NET-225	Routing & Sw Prerequisites: Corequisites:	with different communicati Protocol (WAP), Wireless I discovery protocol, transpo students should be able to d procedures required for different vitching I None None	on protoc Mark-up rt layer an liscuss in ferent win <u>Class</u> 1	cols. To languag nd frequ written reless aj <u>Lab</u> 4	pics incluge (WML) uency ban and oral f pplications <u>Clinical</u> 0	de Wireles 9, link man d. Upon co form proto s. <u>back to to</u> <u>Work Ex</u> p 0	ager, servic ompletion, cols and op o Credit 3
NET-225	Routing & Sw Prerequisites: Corequisites: Description:	with different communicati Protocol (WAP), Wireless I discovery protocol, transpo students should be able to d procedures required for diff vitching I None None This course focuses on adva routing protocols, command Ethernet switching, VLAN application and demonstrat Upon completion, students routing protocols, switching VTP. <u>back to top</u>	on protoc Mark-up rt layer an liscuss in ferent win <u>Class</u> 1 anced IP d-line into s, STP, an ion of ski should bo g concept	cols. To languag nd freque written reless ap <u>Lab</u> 4 address erface cond VTP lls acque e able to s and co	pics inclu- ge (WML) uency ban a and oral in pplications <u>Clinical</u> 0 sing technic configuration Emphasion ired in pro- perform onfiguration	de Wireles , link man d. Upon co form proto s. <u>back to to</u> <u>Work Exp</u> 0 dques, inter ton of switt s will be p e-requisite tasks relat on, STP, V	s Applications ager, servicompletion, cols and <u>op</u> <u>o Credit</u> <u>3</u> remediate ches, laced on courses. ed to VLSM 'LANs, and
NET-225	Routing & Sw Prerequisites: Corequisites: Description:	with different communication Protocol (WAP), Wireless I discovery protocol, transpo- students should be able to de procedures required for different vitching I None None This course focuses on adver- routing protocols, command Ethernet switching, VLANs application and demonstrate Upon completion, students routing protocols, switching VTP. <u>back to top</u>	on protoc Mark-up rt layer an liscuss in ferent win <u>Class</u> 1 anced IP d-line into s, STP, an ion of ski should bo g concept <u>Class</u>	cols. To languag nd freque written reless ap <u>Lab</u> 4 address erface cond VTP lls acque e able to s and cond <u>Lab</u>	pics inclu- ge (WML) uency ban a and oral in pplications <u>Clinical</u> 0 sing technic configuration Emphasion ined in pro- perform onfiguration	de Wireles , link man d. Upon co form proto s. <u>back to to</u> <u>Work Exp</u> 0 dques, inter to of switt s will be p e-requisite tasks relat on, STP, V <u>Work Exp</u>	s Application ager, service ompletion, cols and op <u>o Credit</u> 3 rmediate ches, laced on courses. ed to VLSN 'LANs, and <u>o Credit</u>
NET-225 NET-226	Routing & Sw Prerequisites: Corequisites: Description: Routing and S	with different communication Protocol (WAP), Wireless I discovery protocol, transpo- students should be able to de procedures required for different vitching I None None This course focuses on adver- routing protocols, command Ethernet switching, VLANs application and demonstrate Upon completion, students routing protocols, switching VTP. <u>back to top</u>	on protoc Mark-up rt layer an liscuss in ferent win <u>Class</u> 1 anced IP d-line inte s, STP, an ion of ski should be g concept <u>Class</u> 1	cols. To languag nd freque written reless ap <u>Lab</u> 4 address erface cond VTP Ils acque e able to s and cond <u>Lab</u> 4	pics incluige (WML) uency ban and oral in pplications <u>Clinical</u> 0 sing technic configurations ured in pro- perform onfigurations <u>Clinical</u> 0	de Wireles , link man d. Upon co form proto s. <u>back to to</u> <u>Work Exp</u> 0 iques, inter ion of switt s will be p e-requisite tasks relat on, STP, V <u>Work Exp</u> 0	s Applications ager, servicompletion, cols and <u>op</u> <u>o Credit</u> <u>3</u> rmediate ches, laced on courses. ed to VLSN /LANs, and <u>o Credit</u> <u>3</u>
NET-225 NET-226	Routing & Sw Prerequisites: Corequisites: Description: Routing and S Prerequisites:	with different communication Protocol (WAP), Wireless I discovery protocol, transpo- students should be able to de procedures required for different vitching I None None This course focuses on adver- routing protocols, command Ethernet switching, VLANs application and demonstrate Upon completion, students routing protocols, switching VTP. <u>back to top</u>	on protoc Mark-up rt layer an liscuss in ferent win <u>Class</u> 1 anced IP d-line inte s, STP, an ion of ski should be g concept <u>Class</u> 1	cols. To languag nd freque written reless ap <u>Lab</u> 4 address erface of nd VTP Ils acque e able to s and co <u>Lab</u> 4	pics inclu- ge (WML) uency ban and oral i pplications <u>Clinical</u> 0 sing technic configuration Emphasion ired in pro- perform onfiguration <u>Clinical</u> 0	de Wireles , link man d. Upon co form proto s. <u>back to to</u> <u>Work Exp</u> 0 fques, inter ion of switt s will be p e-requisite tasks relat on, STP, V <u>Work Exp</u> 0	s Applications ager, servicompletion, cols and op <u>o Credit</u> 3 rmediate ches, laced on courses. ed to VLSM /LANs, and <u>o Credit</u> 3

Description: This course introduces WAN theory and design, WAN technology, PPP, Frame Relay, ISDN, and additional case studies. Topics include network congestion problems, TCP/IP transport and network layer protocols, advanced routing and switching configuration, ISDN protocols, PPP encapsulation operations on a router. Upon completion, students should be able to provide solutions for network routing problems, identify ISDN protocols, and describe the Spanning Tree protocol.<u>back to top</u>

## NURSING (NUR)

		<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	Credit
NUR-111	Introduction to Health Concepts	4	6	6	0	8

Prerequisites: None

Local Corequisites: Take BIO-168, NUR-117, PSY-150;

Description: This course introduces the concepts within the three domains of the individual, healthcare, and nursing. Emphasis is placed on the concepts within each domain including medication administration, assessment, nutrition, ethics, interdisciplinary teams, informatics, evidence-based practice, individual-centered care, and quality improvement. Upon completion, student should be able to provide safe nursing care incorporating the concepts identified in this course.

### **Course Restriction: Enrollment in the Associate Degree Program is required.**

#### back to top

		<u>Class</u>	Lab	<u>Clinical</u>	Work Exp	Credit
NUR-112	Health – Illness Concepts	3	0	6	0	5

State Prerequisites: Take NUR-111;

Local Prerequisites:

Take NUR-117;

Local Corequisites: Take BIO-169, NUR-114, NUR-211, PSY-241;

Description: This course is designed to further develop the concepts within the three domains of the individual, healthcare, and nursing. Emphasis is placed on the concepts of acid-base, metabolism, cellular regulation, oxygenation, infection, stress / coping, health-wellness-illness, communication, caring interventions, managing care, safety, quality improvement, and informatics. Upon completion, students should be able to provide safe nursing care incorporating the concepts identified in this course.

**Course Restriction: Enrollment in the Associate Degree Program is required.** 

			Class	Lah	Clinical	Work Fx	Page   200 p Credit
NUR-113	Family Healt	h Concepts	3	<u>1200</u>	<u>emicar</u> 6	0	5
	State Prerequ	isites: Take NUR-111:	5	0	0	0	5
	Local Prerequ	isites:		Tal	ke NUR-1	12. NUR-	114. NUR-
117;							,,
	Local Corequ	isites: Take ENG-111;					
	Description: This course is designed to further develop the concepts within the three domains of the individual, healthcare, and nursing. Emphasis is placed on the concepts of oxygenation, sexuality, reproduction, grief / loss, mood / affect, behaviors, development, family, health-wellness-illness, communication, caring interventions, managing care, safety, and advocacy Upon completion, students should be able to provide safe nursing care incorporating the concepts identified in this course.						
	Course Restri	ction: Enrollment in the	Associate	Degree	Program	is requir	ed.
		back t	to top				
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Ex	p Credit
NUR-114	Holistic Heal	th Concepts	3	0	6	0	5
	State Prerequ	isites: Take NUR-111;					
	Local Prerequ	isites:		Tal	ke NUR-1	12, NUR-	117;
	Local Corequ	isites: Take BIO-169, PSY-	-241;				
	Description: This course is designed to further develop the concepts within the three domains of the individual, healthcare, and nursing. Emphasis is placed of the concepts of cellular regulation, perfusion, inflammation, sensory perception, stress / coping, mood / affect, cognition, self, violence, health wellness-illness, professional behaviors, caring interventions, and safety. Upon completion, students should be able to provide safe nursing care incorporating the concepts identified in this course.						
	Course Restri	ction: Enrollment in the	Associate 1	Degree	Program	is requir	ed.
		back t	to top				

		<u>Class</u> <u>Lab</u> <u>Clinical</u>	Work Exp	Credit
NUR-117	Pharmacology	1 3 0	0	2

Prerequisites: None

Local Corequisites: Take NUR-111;

Description: This course introduces information concerning sources, effects, legalities, and the safe use of medications as therapeutic agents. Emphasis is placed on nursing responsibility, accountability, pharmocokinetics, routes of medication administration, contraindications and side effects. Upon completion, students should be able to compute dosages and administer medication safely.

Page | 201

#### **Course Restriction: Enrollment in the Associate Degree Program is required.**

#### back to top

		<u>Class</u>	Lab	<u>Clinical</u>	Work Ex	p <u>Credit</u>
NUR-211	Health Care Concepts	3	0	6	0	5
	State Prerequisites: Take NUR-111;					
	Local Prerequisites:		Tal	ke NUR-1	12, NUR-1	113, NUR
114 MUP	117.					

114, NUK-11/;

Local Corequisites: Take ENG-114;

Description: This course is designed to further develop the concepts within the three domains of the individual, healthcare, and nursing. Emphasis is placed on the concepts of cellular regulation, perfusion, infection, immunity, mobility, comfort, behaviors, health-wellness-illness, clinical decision-making, caring interventions, managing care, and safety. Upon completion, students should be able to provide safe nursing care incorporating the concepts identified in this course.

Course Restriction: Enrollment in the Associate Degree Program is required.

P a g e | 202

5

Clinical Work Exp Credit

0

$NUR_212$	Health System Concepts
NUK-212	meanin System Concepts

State Prerequisites: Take NUR-111;

Local Prerequisites: Take NUR-112, NUR-113, NUR-114, NUR-117, NUR-211;

Local Corequisites: Take ENG-114;

Description: This course is designed to further develop the concepts within the three domains of the individual, healthcare, and nursing. Emphasis is placed on the concepts of grief / loss, violence, health-wellness-illness, collaboration, managing care, safety, advocacy, legal issues, policy, healthcare systems, ethics, accountability, and evidence-based practice. Upon completion, students should be able to provide safe nursing care incorporating the concepts identified in this course.

Class

3

Lab

0

6

### **Course Restriction: Enrollment in the Associate Degree Program is required.**

#### back to top

		<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	<u>Work Exp</u>	Credit
NUR-213	Complex Health Concepts	4	3	15	0	10

State Prerequisites: Take NUR-111;

Local Prerequisites: Take NUR-117;

State Corequisites: Take NUR-112, NUR-113, NUR-114, NUR-211, NUR-212;

Description: This course is designed to assimilate the concepts within the three domains of the individual, healthcare, and nursing. Emphasis is placed on the concepts of fluid / electrolytes, metabolism, perfusion, mobility, stress / coping, violence, health-wellness-illness, professional behaviors, caring interventions, managing care, healthcare systems, and quality improvement. Upon completion, students should be able to demonstrate the knowledge, skills, and attitudes necessary to provide quality, individualized, entry level nursing care.

**Course Restriction: Enrollment in the Associate Degree Program is required.** 

P a g e | 203

# NURSING ASSISTANT (NAS)

			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>Credit</u>
NAS-101	Nurse Aide I		3	4	3	0	6
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course includes basic to personal care for individual aging process, communicat legal and ethical issues, vita elimination, nutrition, basic health and end-of-life care. demonstrate knowledge and North Carolina Nurse Aide	nursing sl ls. Empha ion, safet al signs, h c restorati Upon con d skills an I Registr	cills rec usis is p y/emer neight a ve care mpletic nd be el y.	quired to p placed on p gencies, in and weight /rehabilita on, student igible to to	provide safe, person-center infection pre- c measurement ation, demer is should be est for listin	, competent ered care, the vention, ents, ntia, mental able to g on the
		back to	<u>top</u>				
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	Credit
NAS-102	Nurse Aide II		3	2	6	0	6
	State Prerequi	isites: Take NAS-101;					
	Corequisites:	None					
Description: This course provides training in Nurse Aide II tasks. Emphasis is placed the role of the Nurse Aide II, sterile technique and specific tasks such as urinary catheterization, wound care, respiratory procedures, ostomy care peripheral IV assistive activities, and alternative feeding methods. Upor completion, students should be able to demonstrate knowledge and skill safe performance of skills necessary to be eligible for listing on the Nor Carolina Nurse Aide II Registry.						placed on such as ny care, J. Upon nd skills and he North	
		back to	top				

P a g e | 204

# **OFFICE ADMINISTRATION (OST)**

			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	<u>Work Exp</u>	<u>Credit</u>
OST-136	Word Process	sing	2	2	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course is designed to i applications. Topics include mastery of specialized software be able to work effectively	This course is designed to introduce word processing concepts and applications. Topics include preparation of a variety of documents and nastery of specialized software functions. Upon completion, students should be able to work effectively in a computerized word processing environment.				
		back to	top				
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>Credit</u>
OST-138	Advanced Sof	ftware Application	2	2	0	0	3
	State Prerequisites: Take One: CIS-110 or CIS-111, OST-137;						
	Corequisites:	None					
	Description:	This course is designed to improve the proficiency in the utilization of software applications used in business offices through a hands-on approach. Emphasis is placed on in-depth usage of software to create a variety of documents applicable to current business environments. Upon completion, students should be able to master the skills required to design documents that can be customized using the latest software applications. <u>back to top</u>					
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	<u>Work Exp</u>	<u>Credit</u>
OST-148	Med Insuranc	e and Billing	3	0	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course introduces fund Emphasis is placed on the r coding concepts, and form able to explain the life cycl claim. <u>back to</u>	lamentals nedical b preparati e of and s <u>top</u>	s of mea billing c on. Upo accurate	dical insur ycle to inc on comple ely comple	ance and bi elude third p tion, studen ete a medica	lling. arty payers, ts should be Il insurance

						]	Page   205
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>Credit</u>
OST-149	Medical Legal	Issues	3	0	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course introduces the c in providing health-care ser requirements of medical pra office personnel; profession completion, students should current medical law and acc	in providing health-care services. Emphasis is placed on the legal requirements of medical practices; the relationship of physician, patient, and office personnel; professional liabilities; and medical practice liability. Upon completion, students should be able to demonstrate a working knowledge of current medical law and accepted ethical behavior.				
		back to	<u>top</u>				
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	<u>Work Exp</u>	<u>Credit</u>
OST-164	Office Editing		3	0	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course provides a comprehensive study of editing skills needed in the workplace. Emphasis is placed on grammar, punctuation, sentence structure, proofreading, and editing. Upon completion, students should be able to use reference materials to compose and edit text. <u>back to top</u>					
			<u>Class</u>	Lab	<u>Clinical</u>	<u>Work Exp</u>	<u>Credit</u>
OST-184	Records Mana	gement	2	2	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course includes the cre disposition of records stored alphabetic, geographic, subj completion, students should management system. <u>back to</u>	ation, ma l in a vari ect, and t be able t <u>o top</u>	intenar iety of r numerio to set uj	nce, protec media forn c filing me p and mai	ction, securi ms. Topics ethods. Up ntain a reco	ity, and include on rds

			Class	Lab	Clinical	Work Exr	Credit	
OST-243	Med Office Si	imulation	2	2	0	0	3	
	State Prerequi	sites: Take OST-248:	_	-	Ū	0	0	
	Corequisites.	None						
	Description:	This course introduces m automated office. Topics resources, storing and ret completion, student shou schedule, bill, update, and	edical syste include tra rieving info ld be able to d make corr	ems use aditiona ormatio o use th rections	ed to proce al and elect n, and the ne compute s. <u>back to te</u>	ess informat tronic infor billing cyc er accuratel op	tion in the mation le. Upon ly to	
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	o Credit	
OST-247	Procedure Co	ding	2	2	0	0	3	
	State Prerequisites: Take MED 121 or OST-141;							
	Corequisites:	None						
	Description:	This course provides in-d placed on CPT and HCPC should be able to properly medical facility. <u>back to te</u>	lepth covera CS coding s y code proc	age of p systems cedures	orocedural . Upon co and servic	coding. Er mpletion, s æs perform	nphasis is students led in a	
	Description:	This course provides in-d placed on CPT and HCPO should be able to properly medical facility. <u>back to to</u>	lepth covera CS coding s y code proc op <u>Class</u>	age of p systems cedures <u>Lab</u>	procedural b. Upon co and servic <u>Clinical</u>	coding. Er mpletion, s ces perform <u>Work Exp</u>	nphasis is students sed in a <u>o Credit</u>	
OST-248	Description: Diagnostic Co	This course provides in-d placed on CPT and HCPO should be able to properly medical facility. <u>back to to</u>	lepth covera CS coding s y code proc op <u>Class</u> 2	age of p systems cedures <u>Lab</u> 2	procedural b. Upon co and servic <u>Clinical</u> 0	coding. Er mpletion, s ces perform <u>Work Exp</u> 0	nphasis is students led in a <u>p Credit</u> 3	
OST-248	Description: Diagnostic Co State Prerequi	This course provides in-d placed on CPT and HCPO should be able to properly medical facility. <u>back to to</u> oding sites: Take MED-121 or C	lepth covera CS coding s y code proc <u>op</u> <u>Class</u> 2 ST-141;	age of p systems cedures <u>Lab</u> 2	procedural . Upon co and servic <u>Clinical</u> 0	coding. Er mpletion, s ces perform <u>Work Exp</u> 0	nphasis is students ed in a <u>p Credit</u> 3	
OST-248	Description: Diagnostic Co State Prerequi Corequisites:	This course provides in-d placed on CPT and HCPO should be able to properly medical facility. <u>back to to</u> oding sites: Take MED-121 or C None	lepth covera CS coding s y code proc <u>op</u> <u>Class</u> 2 ST-141;	age of p systems cedures <u>Lab</u> 2	procedural Upon co and servic <u>Clinical</u> 0	coding. Er mpletion, s ces perform <u>Work Exp</u> 0	nphasis is students ed in a <u>o Credit</u> 3	
OST-248	Description: Diagnostic Co State Prerequi Corequisites: Description:	This course provides in-d placed on CPT and HCPO should be able to properly medical facility. <u>back to to</u> oding sites: Take MED-121 or C None This course provides an i placed on ICD coding sys properly code diagnoses	lepth covera CS coding s y code proc <u>Class</u> 2 ST-141; n-depth stu stem. Upon in a medica	age of p systems cedures <u>Lab</u> 2 dy of d comple l facilit	iagnostic of etion, stud	coding. Er mpletion, s æs perform <u>Work Exp</u> 0 coding. Em ents should	nphasis is atudents aed in a <u>p Credit</u> 3 aphasis is d be able to	

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		281	<u>Class</u> Emer Is 0	<u>Lab</u> ssues in 3	Clinical Med Ofc	Work Exp 3	<u>p</u> <u>Credit</u> OST- 0 0
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course provides a com health care setting. Topics i Upon completion, students of current medical office pr	prehensiv nclude ei should bo ocedures	ve discu merging e able to and tre	ussion of t g issues in o demonst eatments.	opics fami the health rate an un	liar to the care setting. derstanding
		back to	<u>top</u>				
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Ex	p Credit
OST-286	Professional I	Development	3	0	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
		lifestyles, appearance, attitu multicultural awareness, an students should be able to d office, and society. <u>back to t</u>	de, perso d profess lemonstra	onal and ional en ite these	d professio tiquette. U e attribute	Sin the cla	h, bletion, issroom,
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Ex	p <u>Credit</u>
OST-289	Office Admin	Capstone	2	2	0	0	3
	State Prerequi	sites: Take 1 Set:					
		Set 1: Take OST-134 a	and OST-	164;			
		Set 2: Take OST-136 a	and OST-	164;			
	Corequisites:	None					
	Description: This course is designed to be a capstone course for the office professional and provides a working knowledge of administrative office procedures. Emphasis is placed on written and oral communication skills, office software applications, office procedures, ethics, and professional development. Upon completion, students should be able to adapt in an office environment. <u>back to top</u>						

# PHILOSOPHY (PHI)

		<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	Credit
PHI-215	Philosophical Issues	3	0	0	0	3
	State Prerequisites: Take ENG-111;					

Corequisites: None

Description: This course introduces fundamental issues in philosophy considering the views of classical and contemporary philosophers. Emphasis is placed on knowledge and belief, appearance and reality, determinism and free will, faith and reason, and justice and inequality. Upon completion, students should be able to identify, analyze, and critically evaluate the philosophical components of an issue.

#### back to top

		<u>Class</u>	Lab	<u>Clinical</u>	Work Exp	Credit
PHI-230	Introduction to Logic	3	0	0	0	3

State Prerequisites: Take ENG-111;

Corequisites: None

Description: This course introduces basic concepts and techniques for distinguishing between good and bad reasoning. Emphasis is placed on deduction, induction, validity, soundness, syllogisms, truth functions, predicate logic, analogical inference, common fallacies, and scientific methods. Upon completion, students should be able to analyze arguments, distinguish between deductive and inductive arguments, test validity, and appraise inductive reasoning.back to top

		<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	Credit
PHI-240	Introduction to Ethics	3	0	0	0	3
	State Draw military Talas ENC 111					

State Prerequisites: Take ENG-111;

Corequisites: None

Description: This course introduces theories about the nature and foundations of moral judgments and applications to contemporary moral issues. Emphasis is placed on moral theories such as consequentialism, deontology, and virtue ethics. Upon completion, students should be able to apply various ethical theories to moral issues such as abortion, capital punishment, poverty, war, terrorism, the treatment of animals, and issues arising from new technologies.<u>back to top</u>

1 agt 1 407	Р	a	g	e	209
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# PHOTOGRAPHY (PHO)

			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	<u>Work Exp</u>	<u>o Credit</u>			
PHO-110	Fundamentals	of Photography	3	6	0	0	5			
	Prerequisites:	None								
	Corequisites:	None								
	Description:	This course covers the basic technical aspects of photography, including camera controls, light and optics, flash, exposure, and processing. Emphasis is placed on principles of camera design and the relationship between subject and photographic image, with hands-on experience. Upon completion, students should be able to consistently produce technically excellent images. <u>back to top</u>								
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>)</u> Credit			
PHO-113	History of Pho	otography	3	0	0	0	3			
	Prerequisites:	None								
	Corequisites:	None								
	Description:	This course introduces the h contemporary times. Emph developments in artistic and students should be able to id trace the development of the photography. <u>back to top</u>	nistory of lasis is pl l commend dentify si e mediun	Ephotog aced or rcial ph gnifica n and d	graphy from technical totography nt photogr iscuss curr	m its incept and aesthe . Upon con aphers and rent trends	tion through etical mpletion, procedures, in			
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>)</u> Credit			
PHO-115	Basic Studio I	Lighting	2	6	0	0	4			
	State Prerequi	isites: Take PHO-110;								
	Corequisites:	None								
	Description: This course covers the basic principles of studio lighting. Topics include basic lighting techniques and application of lighting ratios to product illustration / portraiture using tungsten / electronic strobe sources, with emphasis on equipment maintenance and safety. Upon completion, stude should be able to select and set up the best lights and lighting application a wide variety of photographic subjects. <u>back to top</u>						s include duct s, with on, students plications for			

				<b>T</b> 1		<b>W</b> 1 <b>D</b>	Page   210		
			<u>Class</u>	<u>Lab</u>	Clinical	Work Exp	<u>p</u> <u>Credit</u>		
PHO-120	Intermediate I	Photography	2	4	0	0	4		
	State Prerequi	sites: Take PHO-110;							
	Corequisites:	None							
	Description:	This course expands the coverage of photographic materials and provides an opportunity to experiment. Emphasis is placed on additional techniques and processes, including solarization, multiple-imaging, infrared toning, and other non-traditional uses of photography. Upon completion, students should be able to demonstrate how the choice of technique enhances the photographic subject and influences content. <u>back to top</u>							
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Ex	<u>p</u> Credit		
PHO-139	Intro to Digita	ll Imaging	1	3	0	0	2		
	Prerequisites:	None							
	Corequisites:	None							
	Description:	This course introduces digits software have on the reproduct tools and vocabulary, calibric completion, students should the digital imaging process top	tal image luction pr ration, de d be able and be al	s by exp cocess. nsity, c to demo ble to c	ploring the Topics in- ontrast, an onstrate a apture and	e effect ha clude basid d color. U basic unde output im	rdware and c imaging Jpon erstanding of ages. <u>back to</u>		
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>p</u> Credit		
PHO-140	Digital Photo	Imaging I	2	4	0	0	4		
	State Prerequi	ate Prerequisites: Take PHO-110;							
	Corequisites:	None							
Description: This course introduces digital photo imaging exploring the use of h software, image capture, input / output devices, ethics, and imaging aesthetics. Emphasis is placed on basic imaging tools and vocabul current digital imaging software, including selection tools, color co cloning, copy / paste, and filters. Upon completion, student should capture images with a digital camera or scanner, manipulate and re image, and select final image output.							of hardware / ging bulary of correction, uld be able to l retouch the		
		back to	top						

			Class	Lab	Clinical	Work Ex	n Credit	
PHO-150	Portfolio Deve	elopment I	3	3	0	0	4	
	State Prerequi	sites: Take PHO-120 or PH	IO-130;	-	-	-		
	Corequisites:	None	,					
	Description:	This course provides an op portfolio of photographic in Emphasis is placed on subj archival processing control print finishing; and portfolio be able to edit and exhibit a portfolio presentation. back	portunity mages that ject/conte ls; organiz io present a consiste <u>k to top</u>	to deve at are co nt deve zing and ation. nt body	elop a then onsistent in lopment, c d sequenci Upon com v of photog	natically re n print qua choice of n ng images pletion, st graphic pri	elated lity. naterials, and ; editing; udents shoul nts in a	
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Ex	p <u>Credit</u>	
PHO-217	Photojournalis	sm I	1	6	0	0	4	
	State Prerequisites: Take PHO-110;							
	Corequisites:	None This course covers logistic	s and tech	miques	used in cu	urrent prof	essional	
	Corequisites: Description:	None This course covers logistic newspaper photography. T news, sports, and feature pl advanced photographic tec students should be able to o news, sports, and feature pl	s and tech Topics inc hotograph hniques, a demonstra hotograph	nniques lude de ny along and lega ate an u ny.	used in cu tailed stud g with basi al issues. nderstandi	urrent profe ly of spot a ic newspap Upon com ing of basi	essional and general per layout, pletion, c aspects of	
	Corequisites: Description:	None This course covers logistic newspaper photography. The news, sports, and feature phatographic tech students should be able to on news, sports, and feature phatographic back to	s and tech Topics inc hotograph hniques, a demonstra hotograph otop	nniques lude de ny along and lega ate an u ny.	used in cu tailed stud g with basi al issues. nderstandi	urrent profe ly of spot a ic newspap Upon com ing of basi	essional and general per layout, pletion, c aspects of	
	Corequisites: Description:	None This course covers logistic newspaper photography. The news, sports, and feature plate advanced photographic tect students should be able to one news, sports, and feature plate back to	s and tech Topics inc hotograph hniques, a demonstra hotograph <u>top</u> <u>Class</u>	nniques lude de ny along and lega ate an u ny. <u>Lab</u>	used in cu tailed stud g with basi al issues. nderstandi	urrent profe ly of spot a ic newspap Upon com ing of basi <u>Work Ex</u>	essional and general per layout, pletion, c aspects of <u>p Credit</u>	
РНО-220	Corequisites: Description: Business of Pl	None This course covers logistic newspaper photography. The news, sports, and feature pla advanced photographic tect students should be able to do news, sports, and feature pla back to hotography	s and tech Topics inc hotograph hniques, a demonstra hotograph <u>top</u> <u>Class</u> 3	niques lude de ny along and lega ate an u ny. <u>Lab</u> 0	used in cu tailed stud g with basi al issues. nderstandi <u>Clinical</u> 0	urrent profe ly of spot a ic newspap Upon com ing of basi <u>Work Ex</u> 0	essional and general per layout, pletion, c aspects of <u>p Credit</u> <u>3</u>	
РНО-220	Corequisites: Description: Business of Pl State Prerequi	None This course covers logistic newspaper photography. T news, sports, and feature pl advanced photographic tec students should be able to d news, sports, and feature pl <u>back to</u> hotography sites: None	s and tech Copics inc hotograph hniques, a demonstra hotograph <u>top</u> <u>Class</u> 3	niques lude de ny along and lega ate an u ny. <u>Lab</u> 0	used in cu tailed stud g with basi al issues. nderstandi <u>Clinical</u> 0	urrent profe ly of spot a ic newspap Upon com ing of basi <u>Work Ex</u> 0	essional and general per layout, pletion, c aspects of <u>p Credit</u> 3	
РНО-220	Corequisites: Description: Business of Pl State Prerequi Corequisites:	None This course covers logistic newspaper photography. T news, sports, and feature pl advanced photographic tec students should be able to d news, sports, and feature pl <u>back to</u> hotography sites: None None	s and tech Topics inc hotograph hniques, a demonstra hotograph <u>o top</u> <u>Class</u> 3	nniques lude de ny along and lega ate an u ny. <u>Lab</u> 0	used in cu tailed stud g with basi al issues. nderstandi <u>Clinical</u> 0	urrent profe ly of spot a ic newspap Upon com ing of basi <u>Work Ex</u> 0	essional and general per layout, pletion, c aspects of <u>p Credit</u> 3	

			Class	Lab	Clinical	Work Ex	Page   212		
PHO-224	Multimedia P	roduction	2	3	0	0	3		
	State Prerequi	sites: None							
	Corequisites:	None							
	Description:	This course covers various Topics include sound recommultimedia software, contra- writing, copyright laws and to use computer hardware a top	aspects or rding and ol of ima l ethics.	of comp editing ge and o Upon co gare for	uter based technique continuity ompletion multimedi	multime es and sof and pacin , students a product	dia production. tware, ng, script should be able tion. <u>back to</u>		
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Ex	<u>kp</u> Credit		
PHO-226	Portraiture		3	3	0	0	4		
	State Prerequi	sites: Take PHO-115;							
	Corequisites: None								
	Ĩ	portraiture. Topics include to multiple light setups, po corporate, and public relati be able to choose the appro- produce a successful portra	e lighting sing techi ons portra opriate lig itt. <u>back to</u>	techniq niques, aiture. hting, a <u>o top</u>	ues, lighti and styles Upon com ccessories	ng ratios, of glamo pletion, s s, and pos	available light ur, fashion, tudents should ing style to		
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Ex	<u>kp</u> <u>Credit</u>		
РНО-235	Commercial F	Photography	2	4	0	0	4		
	State Prerequi	sites: Take PHO-115;							
	Corequisites:	None							
	Description:	This course covers the tech print media. Emphasis is p photographic illustration us Upon completion, students photographs for profession	niques of laced on sed for fo should b al photog	f adverti the con od, fash e able to graphic i	ising photo ception, li nion, and p o produce illustratior	ography u ghting, ar product ph advertisin n.	used in the ad creation of notography. ng		
		back to	top						
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Ex	<u>kp</u> Credit		
PHO-250	Portfolio Dev	elopment II	2	4	0	0	4		
	State Prerequi	sites: Take PHO-217, PHO-	226, PHC	)-235;					
	Corequisites:	None							
	Description:	This course provides an op portfolio of photographs.	portunity Emphasis	to deve is place	elop a dive ed on the c	ersified pr levelopm	ofessional ent of a		

portfolio exhibiting technical excellence, consistency of vision, and professional presentation. Upon completion, students should be able to present a diversified portfolio of professional quality photographs to potential employers.

## back to top

## **PHYSICAL EDUCATION (PED)**

		<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>Credit</u>
PED-110	Fit and Well for Life	1	2	0	0	2

Prerequisites: None

Corequisites: None

Description: This course is designed to investigate and apply the basic concepts and principles of lifetime physical fitness and other health-related factors. Emphasis is placed on wellness through the study of nutrition, weight control, stress management, and consumer facts on exercise and fitness. Upon completion, students should be able to plan a personal, lifelong fitness program based on individual needs, abilities, and interests.<u>back to top</u>

			<u>Class</u>	Lab	Clinical	Work Exp	Credit				
PED-120	Walking for F	itness	0	3	0	0	1				
	Prerequisites:	None									
	Corequisites:	None									
	Description:	This course introduces fitne stretching, conditioning exe prevention. Upon completion recreational walking program	This course introduces fitness through walking. Emphasis is placed on stretching, conditioning exercises, proper clothing, fluid needs, and injury prevention. Upon completion, students should be able to participate in a recreational walking program.back to top								
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>Credit</u>				
PED-121	Walk, Jog, Ru	in	0	3	0	0	1				
	Prerequisites:	None									
	Corequisites:	None									
	Description:	This course covers the basic concepts involved in safely and effectively improving cardiovascular fitness. Emphasis is placed on walking, jogging, or running as a means of achieving fitness. Upon completion, students should be able to understand and appreciate the benefits derived from these activities.									
		back to	<u>top</u>								

							Page   2	
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Ex	p <u>Credit</u>	
PED-122	Yoga I		0	2	0	0	1	
	Prerequisites:	None						
	Corequisites:	None						
	Description:	This course introduces the breathing, relaxation technic completion, students should	basic disc ques, and d be able	ipline of corrector demo	of yoga. To t body post onstrate th	opics inclu sitions. Up le procedu	ide proper oon res of yoga.	
		back to	top					
		PHYSICS	(PHY)					
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Ex	p Credit	
PHY-110	Conceptual Pl	nysics	3	0	0	0	3	
	Prerequisites:	None						
	Local Corequisites: Take PHY-110A;							
	Description:	This course provides a con- principles and processes of concepts of motion, forces, structure of matter and the able to describe examples a top	ceptually- the physi energy, f universe. and applic	based of cal wor neat, elo Upon ations of	exposure t rld. Topic ectricity, n completio of the prin	o the fund s include l nagnetism, n, students sciples stud	amental basic , and the s should be lied. <u>back to</u>	

			Class	Lab	Clinical	Work Exp	Credit		
PHY-110A	Conceptual Pl	nysics Lab	0	2	0	0	1		
	Prerequisites:	None							
	State Corequis	sites: Take PHY-110;							
	Description:	This course is a laboratory experiences that enhance students should be able to presented in PHY 110. <u>bac</u>	y for PHY materials p apply the <u>ek to top</u>	110. Er presente laborate	nphasis is d in PHY ory experi	placed on la 110. Upon o ences to the	aboratory completior concepts		
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	<u>Work Exp</u>	<u>Credit</u>		
PHY-151	College Physi	cs I	3	2	0	0	4		
	State Prerequisites: Take One: MAT-171 or MAT-271;								
	Corequisites:	None							
		introduce the fundamental include units and measure	l concepts ement, vect	that destors, line	cribe the pear kinem	physical wo atics and dy	rld. Topics namics,		
		introduce the fundamental include units and measure energy, power, momentur students should be able to involved and display analy covered.	l concepts ment, vect n, fluid me demonstra ytical prob	that destors, line echanics ate an u lem-sol	cribe the j ear kinem s, and heat nderstand ving abili	physical wo atics and dy t. Upon com ing of the pr ty for the top	rld. Topics namics, pletion, inciples pics		
		introduce the fundamental include units and measure energy, power, momentur students should be able to involved and display anal covered.	l concepts ment, vect n, fluid me demonstra ytical prob	that destors, line echanics ate an u lem-sol	cribe the pear kinem s, and heat nderstand lying abili	physical wo atics and dy t. Upon com ing of the pr ty for the top	rld. Topics namics, pletion, inciples pics		
DUV 152	Collago Dhusi	introduce the fundamental include units and measure energy, power, momentur students should be able to involved and display analy covered. <u>back t</u>	l concepts ment, vect n, fluid me demonstra ytical prob <u>o top</u> <u>Class</u> 2	that destors, line echanics ate an u lem-sol	cribe the pear kinem s, and heat nderstand ving abili	physical wo atics and dy t. Upon com ing of the pr ty for the top <u>Work Exp</u>	rld. Topics namics, pletion, inciples pics <u>Credit</u>		
РНҮ-152	College Physi	introduce the fundamental include units and measure energy, power, momentur students should be able to involved and display analy covered. <u>back t</u>	l concepts ement, vect n, fluid me demonstra ytical prob <u>o top</u> <u>Class</u> 3	that destors, line echanics ate an u lem-sol	cribe the pear kinem s, and heat nderstand wing abili <u>Clinical</u> 0	physical wo atics and dy t. Upon com ing of the pr ty for the top <u>Work Exp</u> 0	rld. Topics namics, pletion, inciples pics <u>Credit</u> 4		
РНҮ-152	College Physi State Prerequi	introduce the fundamental include units and measure energy, power, momentur students should be able to involved and display analy covered. <u>back t</u> cs II sites: Take PHY-151;	l concepts ement, vect n, fluid me demonstra ytical prob <u>o top</u> <u>Class</u> 3	that destors, line echanics ate an u lem-sol	cribe the pear kinem s, and heat nderstand: ving abili <u>Clinical</u> 0	physical wo atics and dy t. Upon com ing of the pr ty for the top <u>Work Exp</u> 0	rld. Topics namics, pletion, inciples pics <u>Credit</u> 4		

			]	Page	216
<u>Class</u>	Lab	<u>Clinical</u>	Work Exp	Credit	
3	3	0	0	4	

PHY-251 General Physics I

State Prerequisites: Take MAT-271;

State Corequisites: Take MAT-272;

Description: This course uses calculus-based mathematical models to introduce the fundamental concepts that describe the physical world. Topics include units and measurement, vector operations, linear kinematics and dynamics, energy, power, momentum, rotational mechanics, periodic motion, fluid mechanics, and heat. Upon completion, students should be able to demonstrate an understanding of the principles involved and display analytical problem solving ability for the topics covered.

#### back to top

		<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	Credit
PHY-252	General Physics II	3	3	0	0	4

State Prerequisites: Take MAT-172, PHY-251;

Corequisites: None

Description: This course uses calculus-based mathematical models to introduce the fundamental concepts that describe the physical world. Topics include electrostatic forces, electric fields, electric potentials, direct-current circuits, magnetostatic forces, magnetic fields, electromagnetic induction, alternating-current circuits, and light. Upon completion, students should be able to demonstrate an understanding of the principles involved and display analytical problem-solving ability for the topics covered.<u>back to top</u>

## **PLUMBING**

		<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>Credit</u>
PUL-111	Intro to Basic Plumbing	1	3	0	0	2
	Prerequisites: None					

Corequisites: None

Description: This course introduces basic plumbing tools, materials, and fixtures. Topics include standard tools, materials, and fixtures used in basic plumbing systems and other related topics. Upon completion, students should be able to demonstrate an understanding of a basic plumbing system. **POLITICAL** 

## **SCIENCE (POL)**
			Class	<u>Lab</u>	Clinical	Work Ex	Page   2 <u>xp Credit</u>
POL-120	American Gov	vernment	3	0	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course is a study of the American government. Top federalism, the three branch rights and liberties, political Upon completion, students of the basic concepts and pa system. <u>back to top</u>	e origins, pics inclu nes of gov l particip should b articipato	develo ide the vernme ation an e able to ory proc	pment, str constitutiont includir nd behaviono demonst esses of th	ucture, ar onal frame og the bur or, and po rate an ur ne Americ	ad functions of ework, eaucracy, civ licy process. aderstanding can political
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Ex	<u>kp</u> <u>Credit</u>
POL-210	American Gov	vernment	3	0	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
		American government. Top	pics inclu	ide the	constitutio	onal frame	ework,
		rights and liberties, political Upon completion, students of the basic concepts and pa system. <u>back to top</u>	nes of gov l particip should b articipato	vernmen ation an e able to ry proc	nt includir nd behavio o demonst esses of th	ng the bur or, and po rate an ur ne Americ	eaucracy, civ licy process. iderstanding can political
		rights and liberties, political Upon completion, students of the basic concepts and pa system. <u>back to top</u>	les of gov l particip should b articipato <u>Class</u>	vernmen ation an e able to ory proc <u>Lab</u>	nt includir nd behavio o demonst esses of th <u>Clinical</u>	ng the bur or, and po rate an ur ne Americ <u>Work E</u> x	eaucracy, civ licy process. iderstanding can political
POL-220	International F	rights and liberties, political Upon completion, students of the basic concepts and pa system. <u>back to top</u> Relations	les of gov l particip should b articipato <u>Class</u> 3	vernmen ation and e able to ory proc <u>Lab</u> 0	nt includir nd behavio o demonst esses of th <u>Clinical</u> 0	ng the bur or, and po rate an ur ne Americ <u>Work Ex</u> 0	eaucracy, civ licy process. aderstanding can political <u>ap Credit</u> 3
POL-220	International F Prerequisites:	rights and liberties, political Upon completion, students of the basic concepts and pa system. <u>back to top</u> Relations None	les of gov l particip should b articipato <u>Class</u> 3	vernmen ation an e able to ory proc <u>Lab</u> 0	nt includir nd behavic o demonst esses of th <u>Clinical</u> 0	ng the bur or, and po rate an ur ne Americ <u>Work Ex</u> 0	eaucracy, civ licy process. aderstanding can political <u>sp Credit</u> 3
POL-220	International F Prerequisites: Corequisites:	rights and liberties, politica Upon completion, students of the basic concepts and pa system. <u>back to top</u> Relations None	les of gov l particip should be articipato <u>Class</u> 3	vernmen ation an e able to ory proc <u>Lab</u> 0	nt includir nd behavio o demonst esses of th <u>Clinical</u> 0	ng the bur or, and po rate an ur ne Americ <u>Work Ex</u> 0	eaucracy, civ licy process. aderstanding can political ap <u>Credit</u> 3

				_			Page   21
		PSYCHOL	OGY (PS	5Y)			
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Ex	p Credit
PSY-118	Interpersonal	Psychology	3	0	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course introduces the personal and professional traits, communication / lec cultural diversity as they completion, students show principles of psychology development.back to top	e basic prin l developme eadership st apply to pe uld be able as they app	nciples ent. En yles, ef rsonal a to dem oly to pe	of psychol nphasis is fective pro and work of onstrate an ersonal and	ogy as the placed on oblem solv environme understan d professio	y relate to personality ing, and nts. Upon nding of thes onal
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Ex	<u>p</u> Credit
PSY-150	General Psych	ology	3	0	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course provides an of Topics include history, m learning, motivation, cog psychology, and other rel able to demonstrate a bass top	overview of nethodology nition, abno levant topic ic knowled	the sci y, biops ormal b s. Upo ge of th	entific stu ychology, ehavior, p on complet ne science	dy of hum sensation, ersonality ion, studer of psychol	an behavior. perception, theory, socia nts should be logy. <u>back to</u>
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Ex	p Credit
PSY-211	Psychology of	Adjustment	3	0	0	0	3
	State Prerequi	sites: Take PSY-150;					
	Corequisites:	None					
	Description:	This course introduces the contemporary challenges include theories of behave mechanisms, human relate healthy personal adjustment students should be able to adjustment.	e study of t individuals ior, career of tionships, in ent, and oth o demonstra	he adju s must o choices ntimacy her relat ate an a	estment prodeal with i , self-under , sociocul ted topics. wareness o	ocess focus n everyday erstanding tural facto Upon con of the proc	sing on a life. Topic coping rs influencin npletion, esses of
		hoole					

			Class	Lab	Clinical	Work Ex	p Credit
PSY-237	Social Psycho	logy	3	0	0	0	3
	State Prerequi	sites: Take PSY-150 or SO	C-210;				
	Corequisites:	None					
	Description:	This course introduces the contexts. Topics include a conformity, altruism, aggre group behavior. Upon con understanding of the basic	study of i ffiliation, ession, att npletion, a principle	ndividu attitude ribution students s of soc	ual behavio e formatio n, interpers s should bo ial influen	or within s n and char sonal attra e able to d ces on bel	social nge, ction, and emonstrate navior.
		back to	<u>top</u>				
			<u>Class</u>	Lab	Clinical	Work Ex	p <u>Credit</u>
DGX 220	Developy of	Dersonality	3	0	0	0	3
PS I -239	rsychology of	reisonanty	-				
251-259	State Prerequi	sites: Take PSY-150;	-				
-31-239	State Prerequi Corequisites: Description:	sites: Take PSY-150; None This course covers major p methods. Topics include p cognitive humanistic and	bersonalit sychoana	y theori lytic, be	es and per ehavioristi	sonality re ic, social le	esearch earning,
PS 1-239	State Prerequi Corequisites: Description:	sites: Take PSY-150; None This course covers major p methods. Topics include p cognitive, humanistic, and completion, students shoul contemporary approaches t human behavior.	bersonality osychoana trait theo d be able to the und	y theori lytic, b ries inc to com lerstand	es and per ehavioristi luding sup pare and c ling of ind	sonality re ic, social le porting re ontrast tra ividual dif	esearch earning, search. Up ditional and ferences in
PS 1-239	State Prerequi Corequisites: Description:	sites: Take PSY-150; None This course covers major p methods. Topics include p cognitive, humanistic, and completion, students shoul contemporary approaches t human behavior.	bersonality osychoana trait theo d be able to the und <u>to top</u>	y theori lytic, b ries inc to com lerstand	es and per ehavioristi luding sup pare and c ling of ind	sonality re ic, social le porting re ontrast tra ividual dif	esearch earning, search. Up ditional and ferences in
PSY-241	Developmenta	sites: Take PSY-150; None This course covers major p methods. Topics include p cognitive, humanistic, and completion, students shoul contemporary approaches t human behavior. <u>back to</u>	bersonality osychoana trait theo d be able to the und <u>o top</u> <u>Class</u> 3	y theori lytic, by ries inc to com lerstand <u>Lab</u> 0	es and per ehavioristi luding sup pare and c ling of ind <u>Clinical</u> 0	sonality re ic, social le porting re ontrast tra ividual dif <u>Work Ex</u> 0	esearch earning, search. Up ditional and ferences in <u>p Credit</u> 3
PSY-241	State Prerequi Corequisites: Description: Developmenta State Prerequi	sites: Take PSY-150; None This course covers major p methods. Topics include p cognitive, humanistic, and completion, students shoul contemporary approaches t human behavior. <u>back to</u> Il Psychology sites: Take PSY-150:	bersonality osychoana trait theo d be able to the und b top <u>Class</u> 3	y theori lytic, by ries inc to comp erstand <u>Lab</u> 0	es and per ehavioristi luding sup pare and c ling of ind <u>Clinical</u> 0	sonality re ic, social le porting re ontrast tra ividual dif <u>Work Ex</u> 0	esearch earning, search. Up ditional and ferences in <u>p Credit</u> 3
PSY-241	<ul> <li>Provide the presence of the presence</li></ul>	sites: Take PSY-150; None This course covers major p methods. Topics include p cognitive, humanistic, and completion, students shoul contemporary approaches t human behavior. <u>back to</u> Il Psychology sites: Take PSY-150; None	ersonality osychoana trait theo d be able to the und to the und <u>top</u> <u>Class</u> 3	y theori lytic, b ries inc to com lerstand <u>Lab</u> 0	es and per ehavioristi luding sup pare and c ling of ind <u>Clinical</u> 0	sonality re ic, social le porting re ontrast tra ividual dif <u>Work Ex</u> 0	esearch earning, search. Upditional and ferences in <u>p Credit</u> 3

			]	Page   220
<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	Credit
3	0	0	0	3

PSY-281 Abnormal Psychology

State Prerequisites: Take PSY-150;

Corequisites: None

Description: This course provides an examination of the various psychological disorders, as well as theoretical, clinical, and experimental perspectives of the study of psychopathology. Emphasis is placed on terminology, classification, etiology, assessment and treatment of the major disorders. Upon completion, students should be able to distinguish between normal and abnormal behavior patterns as well as demonstrate knowledge of etiology, symptoms, and therapeutic techniques.

### back to top

# **RADIOGRAPHY (RAD)**

		Clas	ss <u>Lab</u>	<u>Clinica</u>	l <u>Work Exp</u>	o Credit
RAD-110	RAD Intro and Patient Care	2	3	0	0	3

Prerequisites: None

State Corequisites: Take RAD-111 and RAD-151;

Description: This course provides an overview of the radiography profession and student responsibilities. Emphasis is placed on basic principles of patient care, radiation protection, technical factors, and medical terminology. Upon completion, students should be able to demonstrate basic skills in these areas.

### **Course Restriction: Enrollment in the Radiography Degree Program is required.**

#### back to top

		<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	Credit
RAD-111	RAD Procedures I	3	3	0	0	4
	Prerequisites: None					
	State Corequisites: None;					
	Corequisites: None					

Description: This course provides the knowledge and skills necessary to perform standard radiographic procedures. Emphasis is placed on radiography of the chest, abdomen, extremities, bony thorax and pelvis. Upon completion, students should be able to demonstrate competence in these areas.

**Course Restriction: Enrollment in the Radiography Degree Program is required.** 

			Class	Lab	Clinical	Work Exp	<u>Credit</u>		
RAD-112	RAD Procedu	ires II	3	3	0	0	4		
	State Prerequi	isites: Take RAD-110, RAD	-111, RA	D-151;					
	Corequisites:	None							
	Description:	This course provides the karadiographic procedures. E spine, and gastrointestinal, students should be able to a	nowledge Emphasis biliary, a demonstr	and sk is place nd urin ate com	ills necess d on radio ary systen petence in	ary to perfo graphy of th ns. Upon con these areas	rm standar ne skull, mpletion,		
С	ourse Restrict	ion: Enrollment in the Ra	diograph	y Degr	ee Progra	m is requi	red.		
		back to	<u>o top</u>						
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>Credit</u>		
RAD-113	RAD Lab Ele	ctive	0	3	0	0	1		
	State Prerequisites: None State Corequisites: None								
	State Prerequi	isites: None sites: None This course provides addit	ional labo	vratory	opportunit	ies in radiol	ogic		
	State Prerequi State Corequi Description:	isites: None sites: None This course provides addit technology. Emphasis is pl of equipment. Upon compl competence in radiographi	ional labo laced on r letion, stu c procedu	oratory o adiogra dents sl ures thro	opportunit phic proce hould be a ough labor	ies in radiol edures and r ble to demo atory evalua	ogic nanipulation nstrate ations.		
C	State Prerequi State Corequi Description: ourse Restrict	isites: None sites: None This course provides addit technology. Emphasis is pl of equipment. Upon compl competence in radiographi <b>ion: Enrollment in the Ra</b>	ional labo laced on r letion, stu c procedu <b>diograph</b>	oratory o adiogra dents sl ures thro y <b>Degr</b>	opportunit phic proce hould be a ough labor <b>ee Progra</b>	ies in radiol edures and r ble to demo atory evalua i <b>m is requi</b>	ogic nanipulatio nstrate ations. <b>red.</b>		
С	State Prerequi State Corequi Description: ourse Restrict	isites: None sites: None This course provides addit technology. Emphasis is pl of equipment. Upon compl competence in radiographi <b>ion: Enrollment in the Ra</b> <u>back to</u>	ional labo laced on r letion, stu c procedu <b>diograph</b> <u>o top</u>	oratory o adiogra dents sl ures thro by <b>Degr</b>	opportunit phic proce hould be a ough labor <b>ee Progra</b>	ies in radiol edures and r ble to demo atory evalua a <b>m is requin</b>	ogic nanipulatio nstrate ations. <b>red.</b>		
С	State Prerequi State Corequi Description: ourse Restrict	isites: None sites: None This course provides addit technology. Emphasis is pl of equipment. Upon compl competence in radiographi <b>ion: Enrollment in the Ra</b> <u>back to</u>	ional labo laced on r letion, stu c procedu <b>diograph</b> <u>top</u> <u>Class</u>	oratory o adiogra dents sl ures thro by <b>Degr</b> <u>Lab</u>	opportunit phic proce hould be a ough labor ee Progra <u>Clinical</u>	ies in radiol edures and r ble to demo atory evalua i <b>m is requi</b> <u>Work Exp</u>	ogic nanipulatio nstrate ations. <b>red.</b> <u>Credit</u>		
<b>C</b> RAD-121	State Prerequi State Corequi Description: ourse Restrict	isites: None sites: None This course provides addit technology. Emphasis is pl of equipment. Upon compl competence in radiographi <b>ion: Enrollment in the Ra</b> <u>back to</u>	ional labo laced on r letion, stu c procedu <b>diograph</b> <u>c top</u> <u>Class</u> 2	oratory o adiogra dents sl ures thro by <b>Degr</b> <u>Lab</u> 3	opportunit phic proce hould be a ough labor <b>ee Progra</b> <u>Clinical</u> 0	ies in radiol edures and r ble to demo atory evalua <b>m is requin</b> <u>Work Exp</u> 0	ogic nanipulatio nstrate ations. <b>red.</b> <u>Credit</u> 3		
C RAD-121	State Prerequi State Corequi Description: ourse Restrict Image Produc State Prerequi	isites: None sites: None This course provides addit technology. Emphasis is pl of equipment. Upon compl competence in radiographi <b>ion: Enrollment in the Ra</b> <u>back to</u> stion I isites: Take All: RAD-110,	ional labo laced on r letion, stu c procedu <b>diograph</b> <u>class</u> 2 RAD-111	oratory o adiogra dents sl ures thro y <b>Degr</b> <u>Lab</u> 3 , RAD-	opportunit phic proce hould be a ough labor <b>ee Progra</b> <u>Clinical</u> 0 -151;	ies in radiol edures and r ble to demo atory evalua <b>m is requin</b> <u>Work Exp</u> 0	ogic nanipulatio nstrate ations. red. <u>Credit</u> 3		
C RAD-121	State Prerequi State Corequi Description: ourse Restrict Image Produc State Prerequi State Corequi	isites: None sites: None This course provides addit technology. Emphasis is pl of equipment. Upon compl competence in radiographi <b>ion: Enrollment in the Ra</b> <u>back to</u> etion I isites: Take All: RAD-110, f sites: None	ional labo laced on r letion, stu c procedu <b>diograph</b> <u>ctop</u> <u>Class</u> 2 RAD-111	oratory o adiogra dents sl ures thro by <b>Degr</b> <u>Lab</u> 3 ., RAD-	opportunit phic proce hould be a ough labor <b>ee Progra</b> <u>Clinical</u> 0 -151;	ies in radiol edures and r ble to demo atory evalua <b>m is requin</b> <u>Work Exp</u> 0	ogic nanipulationstrate ations. red. <u>Credit</u> 3		
C RAD-121	State Prerequi State Corequi Description: ourse Restrict Image Produc State Prerequi State Corequi Description:	isites: None sites: None This course provides addit technology. Emphasis is pl of equipment. Upon compl competence in radiographi <b>ion: Enrollment in the Ra</b> <u>back to</u> stion I isites: Take All: RAD-110, sites: None This course provides the ba Emphasis is placed on ima exposure, and basic imagir should be able to demonstar radiographic image product	ional labo laced on r letion, stu c procedu <b>diograph</b> <u>Class</u> 2 RAD-111 asic princ ge produc ng quality rate an un ction.	oratory of adiogra dents sl ures thro by <b>Degr</b> <u>Lab</u> 3 , RAD- iples of ction, x- factors derstand	opportunit phic proce hould be a ough labor <b>ee Progra</b> <u>Clinical</u> 0 -151; radiograp ray equipt . Upon co ding of ba	ies in radiol edures and r ble to demo atory evalua <b>om is requin</b> <u>Work Exp</u> 0 hic image p ment, recep mpletion, st sic principle	ogic nanipulationstrate ations. red. <u>Credit</u> 3 roduction. tor udents es of		
C RAD-121 C	State Prerequi State Corequi Description: ourse Restrict Image Produc State Prerequi State Corequi Description:	isites: None sites: None This course provides addit technology. Emphasis is pl of equipment. Upon compl competence in radiographi <b>ion: Enrollment in the Ra</b> <u>back to</u> ettion I isites: Take All: RAD-110, sites: None This course provides the ba Emphasis is placed on ima exposure, and basic imagir should be able to demonstr radiographic image product <b>ion: Enrollment in the Ra</b>	ional labo laced on r letion, stu c procedu <b>diograph</b> <u>Class</u> 2 RAD-111 asic princ ge produc ng quality rate an un etion. <b>diograph</b>	oratory of adiogra dents sl ures thro by <b>Degr</b> <u>Lab</u> 3 , RAD- iples of ction, x- factors derstand	opportunit phic proce hould be a ough labor <b>ee Progra</b> <u>Clinical</u> 0 -151; radiograp ray equipt . Upon coi ding of ba <b>ee Progra</b>	ies in radiol edures and r ble to demo atory evalua <b>m is requin</b> <u>Work Exp</u> 0 hic image p ment, recep mpletion, st sic principle	ogic nanipulationstrate ations. red. <u>Credit</u> 3 roduction. tor udents es of red.		

			Class	Lab	Clinical	Work Eve	Cradit
	I DI				Chinical	WORK EX	
RAD-122	Image Produc	ction II	l	3	0	0	2
	State Prerequi	isites: Take All: RAD-112, I	RAD-121,	RAD-	161;		
	State Corequi	sites: None					
	Description:	This course is designed to the field of radiologic tech principles and production. demonstrate an understand production.	continue ( nology. E Upon con ling of adv	to devel mphasi npletion vanced	lop the cor s is placed n, students principles	ncepts and the on advance of digital is a should be of digital i	principles i ed digital able to maging
С	ourse Restrict	ion: Enrollment in the Ra	diograph	y Degr	ee Progra	m is requi	red.
		back to	<u>o top</u>				
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	<u>Work Exp</u>	<u>Credit</u>
RAD-141	Radiation Saf	fety	2	0	0	0	2
	State Prerequi	isites: Take All: RAD-112, I	RAD-121,	RAD-	161;		
	State Corequi Description:	sites: None This course covers the prin Topics include the effects	nciples of of ionizin	radiatio g radiat	on protection ion on boo	on and radi ly tissues, j	obiology. protective
	State Corequi Description:	sites: None This course covers the prin Topics include the effects measures for limiting expo monitoring devices. Upon demonstrate an understand diagnostic radiology.	nciples of of ionizin osure to th completic ling of the	radiatic g radiat e patier on, stud e effects	on protection ion on boo nt and pers ents shoul and uses	on and radi dy tissues, j onnel, and d be able to of radiation	obiology. protective radiation
C	State Corequi Description: ourse Restrict	sites: None This course covers the prin Topics include the effects measures for limiting expo monitoring devices. Upon demonstrate an understand diagnostic radiology. <b>ion: Enrollment in the Ra</b>	nciples of of ionizin osure to th completic ling of the <b>diograph</b>	radiatic g radiat e patier on, stud e effects <b>y Degr</b>	on protection ion on boo at and pers ents shoul and uses ee Progra	on and radi dy tissues, j onnel, and d be able to of radiation <b>m is requi</b>	obiology. protective radiation o in in <b>red.</b>
С	State Corequi Description: ourse Restrict	sites: None This course covers the prin Topics include the effects measures for limiting expo monitoring devices. Upon demonstrate an understand diagnostic radiology. <b>ion: Enrollment in the Ra</b>	nciples of of ionizin osure to th completic ling of the <b>diograph</b>	radiatic g radiat e patier on, stud e effects <b>y Degr</b>	on protection ion on boo nt and pers ents shoul and uses ee Progra	on and radi dy tissues, j onnel, and d be able to of radiation <b>m is requi</b>	obiology. protective radiation n in <b>red.</b>
С	State Corequi Description: ourse Restrict	sites: None This course covers the prin Topics include the effects measures for limiting expo monitoring devices. Upon demonstrate an understand diagnostic radiology. <b>ion: Enrollment in the Ra</b> <u>back to</u>	nciples of of ionizin osure to th completic ling of the <b>diograph</b> <u>o top</u> <u>Class</u>	radiatic g radiat e patier on, stud e effects <b>y Degr</b> <u>Lab</u>	on protecti- ion on boo nt and pers ents shoul and uses ee Progra <u>Clinical</u>	on and radi dy tissues, j onnel, and d be able to of radiation <b>m is requi</b>	obiology. protective radiation in in red.
C RAD-151	State Corequi Description: ourse Restrict	sites: None This course covers the prin Topics include the effects measures for limiting expo monitoring devices. Upon demonstrate an understand diagnostic radiology. <b>ion: Enrollment in the Ra</b> <u>back to</u>	nciples of of ionizin osure to th completic ling of the <b>diograph</b> <u>o top</u> <u>Class</u> 0	radiatic g radiat e patier on, stud e effects <b>y Degr</b> <u>Lab</u> 0	on protecti- ion on boo nt and pers ents shoul- and uses ee Progra <u>Clinical</u> 6	on and radi dy tissues, j onnel, and d be able to of radiation <b>m is requi</b> <u>Work Exp</u> 0	obiology. protective radiation n in red. <u>c Credit</u> 2
C RAD-151	State Corequi Description: ourse Restrict RAD Clinical Prerequisites:	sites: None This course covers the prin Topics include the effects measures for limiting expon- monitoring devices. Upon- demonstrate an understand diagnostic radiology. ion: Enrollment in the Rain back to Ed I None	nciples of of ionizin osure to th completic ling of the <b>diograph</b> <u>o top</u> <u>Class</u> 0	radiatic g radiat e patier on, stud e effects <b>y Degr</b> <u>Lab</u> 0	on protection ion on boom and persents should and uses ee Progra <u>Clinical</u> 6	on and radi dy tissues, j onnel, and d be able to of radiation <b>m is requi</b> <u>Work Exp</u> 0	obiology. protective radiation n in red. <u>c Credit</u> 2
C RAD-151	State Corequi Description: ourse Restrict RAD Clinical Prerequisites: State Corequi	sites: None This course covers the prin Topics include the effects measures for limiting expon- monitoring devices. Upon- demonstrate an understand- diagnostic radiology. ion: Enrollment in the Ra back to LEd I None sites: Take RAD 110, RAD	nciples of of ionizin osure to th completic ling of the <b>diograph</b> <u>class</u> 0 -111;	radiatic g radiat e patier on, stud e effects <b>y Degr</b> <u>Lab</u> 0	on protection ion on boom and persents should and uses ee Progra <u>Clinical</u> 6	on and radi dy tissues, j onnel, and d be able to of radiation <b>m is requi</b> <u>Work Exp</u> 0	obiology. protective radiation n in red. <u>c Credit</u> 2
C RAD-151	State Corequi Description: ourse Restrict RAD Clinical Prerequisites: State Corequi Description:	sites: None This course covers the prin Topics include the effects measures for limiting expon- monitoring devices. Upon- demonstrate an understand- diagnostic radiology. ion: Enrollment in the Ra <u>back to</u> Ed I None sites: Take RAD 110, RAD This course introduces pat procedures in the clinical s positioning of the chest an applying principles of ALA demonstrate successful con-	nciples of of ionizin osure to th completic ling of the <b>diograph</b> <u>o top</u> <u>Class</u> 0 -111; ient mana setting. En d extremit ARA. Upo mpletion o	radiatic g radiat e patier on, stud e effects <b>y Degr</b> <u>Lab</u> 0 gement nphasis ties, ma on comp of clinic	on protection ion on boom and persents should and uses ee Progra <u>Clinical</u> 6 and basic is placed nipulating pletion, stu-	on and radi dy tissues, j onnel, and d be able to of radiation <b>m is requi</b> <u>Work Exp</u> 0 radiograph on mastering equipmen idents shou- ves.	obiology. protective radiation in red. <u>c Credit</u> 2 <u>i</u> ic ng t, and ild be able
C RAD-151	State Corequi Description: ourse Restrict RAD Clinical Prerequisites: State Corequi Description: ourse Restrict	sites: None This course covers the prin Topics include the effects measures for limiting expon- monitoring devices. Upon- demonstrate an understand- diagnostic radiology. ion: Enrollment in the Ra back to I Ed I None sites: Take RAD 110, RAD This course introduces pat procedures in the clinical spositioning of the chest an applying principles of ALA demonstrate successful con- ion: Enrollment in the Ra	nciples of of ionizin osure to th completic ling of the <b>diograph</b> <u>o top</u> <u>Class</u> 0 -111; ient mana setting. En d extremit ARA. Upo mpletion o <b>diograph</b>	radiatic g radiat e patier on, stud e effects <b>y Degr</b> <u>Lab</u> 0 gement nphasis ties, ma on comp of clinic <b>y Degr</b>	on protection ion on boom at and persents should and uses ee Progra <u>Clinical</u> 6 and basic is placed nipulating oletion, stu- cal objective ee Progra	on and radi dy tissues, j onnel, and d be able to of radiation <b>m is requi</b> <u>Work Exp</u> 0 radiograph on mastering equipment idents shoutives. <b>m is requi</b>	obiology. protective radiation in red. <u>c Credit</u> 2 <u>ic</u> ng t, and ild be able <b>red.</b>

			Class	Lah	Clinical	Work Ext	Page   22 Credit
RAD-161	RAD Clinical	FD II	0	<u>12a0</u>	<u>emnear</u> 15	<u>0</u>	5
	State Prerequi	isites: Take All: RAD-110	PAD-111	RAD	151.	0	5
	State Coroqui	sites: Take PAD 112 PAD	121.	, RAD-	.131,		
	Description:	This course provides additi more complex radiographic positioning of the spine, pe procedures to meet patient able to demonstrate succes	ional expe c procedu elvis, head variations sful comp	erience res. Em l and ne s. Upon oletion o	in patient phasis is p eck, and th completion of clinical	manageme placed on r orax and a on, student objectives	ent and in nastering dapting s should be
C	ourse Restrict	ion: Enrollment in the Ra	diograph	y Degr	ee Progra	m is requi	ired.
		back to	<u>top</u>				
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>o</u> Credit
RAD-171	RAD Clinical	Ed III	0	0	9	0	3
	State Prerequi	sites: Take All: RAD-112,	RAD-121	, RAD-	161;		
	State Corequi	sites: None					
	Description:	This course provides exper radiographic procedures. E technical factors to all stud advanced studies. Upon co successful completion of c	tience in p Emphasis i lies and tra mpletion, linical obj	batient i s place ansitior studen jectives	nanageme d on apply iing to ma ts should b	nt specific ving approp stering pos be able to c	to advanced priate sitioning of lemonstrate
		ione Ennellment in the De	diogranh	y Degr	ee Progra	m is requi	ired
C	ourse Restrict	ion: Enrollment in the Ka	ulogi upil	• •	0		ii cu.
C	ourse Restrict	back to	<u>o top</u>	• 0	0		ircu.
C	ourse Restrict	back to	<u>top</u> <u>Class</u>	Lab	Clinical	Work Exp	<u>o</u> <u>Credit</u>
<b>C</b> RAD-181	course Restrict	Elective	<u>top</u> <u>Class</u> 0	<u>Lab</u> 0	<u>Clinical</u> 3	<u>Work Ex</u> j 0	<u>o Credit</u> 1
C RAD-181	RAD Clinical Prerequisites:	Elective None	<u>o top</u> <u>Class</u> 0	<u>Lab</u> 0	<u>Clinical</u> 3	<u>Work Ex</u> j 0	<u>o</u> <u>Credit</u> 1
C RAD-181	RAD Clinical Prerequisites: Corequisites:	Elective None None	<u>o top</u> <u>Class</u> 0	<u>Lab</u> 0	<u>Clinical</u> 3	<u>Work Exp</u> 0	<u>o Credit</u> 1
C RAD-181	RAD Clinical Prerequisites: Corequisites: Description:	Elective None None This course provides advar is placed on enhancing clirr able to successfully complet	<u>class</u> <u>Class</u> 0 nced know nical skills ete the cli	Lab 0 vledge o s. Upon nical co	Clinical 3 of clinical completio	Work Exp 0 application on, student ctives.	<u>o Credit</u> 1 ns. Emphasis s should be
C RAD-181 C	RAD Clinical Prerequisites: Corequisites: Description:	Elective None None This course provides advar is placed on enhancing clir able to successfully comple	top <u>Class</u> 0 nced know nical skills ete the cli <b>diograph</b>	Lab 0 vledge o s. Upon nical co <b>y Degr</b>	Clinical 3 of clinical completio ourse object ee Progra	Work Exp 0 application on, student ctives.	<u>o Credit</u> 1 ns. Emphasis s should be <b>ired.</b>

			<u>Class</u>	Lab	Clinical	Work Exp	<u>p a g e   2</u> <u>2 Credit</u>
RAD-183	RAD Clinical	l Elective	0	0	9	0	3
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course provides adva is placed on enhancing clin able to successfully compl	nced knov nical skills ete the cli	vledge o s. Upon nical co	of clinical completio ourse objec	application on, student ctives.	ns. Emphas s should be
С	ourse Restrict	ion: Enrollment in the Ra	diograph	y Degr	ee Progra	m is requ	ired.
		back to	<u>o top</u>				
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>o</u> Credit
RAD-211	RAD Procedu	ires III	2	3	0	0	3
MAD-211	State Prerequ	isites: Take All: RAD-122,	RAD-141	, RAD-	171;		
	State Corequi	sites: None					
		and specialty radiographic	procedur	es. Emp	masis is p	laceu oli la	ulographic
		and specialty radiographic specialty procedures, adva analysis. Upon completion understanding of these are	nced imag n, students as.	ging, ra should	diographic be able to	pathology demonstra	and image ate an
C	ourse Restrict	and specialty radiographic specialty procedures, adva analysis. Upon completion understanding of these are <b>ion: Enrollment in the Ra</b>	nced imag n, students as. diograph	ging, rad should y <b>Degr</b>	diographic be able to ee Progra	e pathology demonstration demonstration	and image ate an
С	ourse Restrict	and specialty radiographic specialty procedures, adva analysis. Upon completion understanding of these are <b>ion: Enrollment in the Ra</b>	nced imag n, students as. diograph	ging, rad should by <b>Degr</b>	diographic be able to ee Progra	e pathology demonstration demonstration	and image ate an
С	ourse Restrict	and specialty radiographic specialty procedures, adva analysis. Upon completion understanding of these are <b>ion: Enrollment in the Ra</b> <u>back to</u>	nced imag a, students as. adiograph <u>c top</u> <u>Class</u>	ging, rad should y <b>Degr</b>	diographic be able to ee Progra	e pathology o demonstra o demonstra m is requi	and image ate an ired.
<b>C</b> RAD-231	ourse Restrict	and specialty radiographic specialty procedures, adva analysis. Upon completion understanding of these are <b>ion: Enrollment in the Ra</b> <u>back to</u>	nced imag a, students as. adiograph <u>c top</u> <u>Class</u> 1	ging, rad should by <b>Degr</b> <u>Lab</u> 3	diographic be able to ee Progra <u>Clinical</u> 0	e pathology o demonstra o <b>m is requ</b> <u>Work Exp</u> 0	and image ate an ired. <u>2</u> <u>Credit</u>
C RAD-231	ourse Restrict Image Produc State Prerequ	and specialty radiographic specialty procedures, adva analysis. Upon completion understanding of these are <b>ion: Enrollment in the Ra</b> <u>back to</u> ction III isites: Take All: RAD-122, I	nced imag n, students as. diograph <u>Class</u> 1 RAD-141	ging, rad should by <b>Degr</b> <u>Lab</u> 3 and RA	diographic be able to ee Progra <u>Clinical</u> 0 AD-171;	e pathology o demonstra o <b>m is requ</b> <u>Work Exp</u> 0	and image ate an ired. <u>p Credit</u> 2
C RAD-231	ourse Restrict Image Produc State Prerequ State Corequi	and specialty radiographic specialty procedures, adva analysis. Upon completion understanding of these are <b>ion: Enrollment in the Ra</b> <u>back to</u> ction III isites: Take All: RAD-122, I	nced imag n, students as. diograph <u>Class</u> 1 RAD-141	ging, rad should by <b>Degr</b> <u>Lab</u> 3 and RA	diographic be able to ee Progra <u>Clinical</u> 0 AD-171;	work Exp	and image ate an <b>ired.</b>
C RAD-231	ourse Restrict Image Produc State Prerequ State Corequi Description:	and specialty radiographic specialty procedures, adva analysis. Upon completion understanding of these are <b>ion: Enrollment in the Ra</b> <u>back to</u> ction III isites: Take All: RAD-122, I isites: None This course is designed to the field of radiologic tech production and principles, imaging sciences. Upon co an understanding of advan programs.	nced imag n, students as. diograph <u>Class</u> 1 RAD-141 continue nology. E quality co pmpletion ced radiog	is hould should by <b>Degr</b> <u>Lab</u> 3 and RA to devel mphasi ontrol an , studen graphic	diographic be able to ee Progra <u>Clinical</u> 0 AD-171; lop the cons is placed ind quality ts should be equipmen	e pathology o demonstration o	ired. <u>c Credit</u> <u>c Credit</u> <u>2</u> principles i ex imaging in the lemonstrate ty control
C RAD-231 C	ourse Restrict Image Produc State Prerequ State Corequi Description:	and specialty radiographic specialty procedures, adva analysis. Upon completion understanding of these are <b>ion: Enrollment in the Ra</b> <u>back to</u> ction III isites: Take All: RAD-122, I isites: None This course is designed to the field of radiologic tech production and principles, imaging sciences. Upon co an understanding of advan programs. <b>ion: Enrollment in the Ra</b>	nced imag n, students as. diograph <u>Class</u> 1 RAD-141 continue nology. E quality co pmpletion ced radiog	to devel mphasi ontrol an graphic	diographic be able to ee Progra <u>Clinical</u> 0 AD-171; lop the cons is placed ind quality ts should be equipment ee Progra	e pathology o demonstration o	ired. 2 principles i ex imaging in the lemonstrate ty control ired.

	<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Ex	<u>p</u> <u>Credit</u>
RAD-251 RAD Clinical Ed IV	0	0	21	0	7

State Prerequisites: Take All: RAD-122 and RAD-171;

State Corequisites: Take All: RAD-211 and RAD-231;

Description: This course provides the opportunity to continue mastering all basic radiographic procedures and to attain experience in advanced areas. Emphasis is placed on equipment operation, pathological recognition, pediatric and geriatric variations, and a further awareness of radiation protection requirements. Upon completion, students should be able to demonstrate successful completion of clinical objectives.

### **Course Restriction: Enrollment in the Radiography Degree Program is required.**

#### back to top

		<u>Class</u>	Lab	<u>Clinical</u>	Work Exp	Credit
RAD-261	RAD Clinical Ed V	0	0	21	0	7

State Prerequisites: Take RAD-251;

State Corequisites: Take RAD-271;

Description: This course is designed to enhance expertise in all radiographic procedures, patient management, radiation protection, and image production and evaluation. Emphasis is placed on developing an autonomous approach to the diversity of clinical situations and successfully adapting to those procedures. Upon completion, students should be able to demonstrate successful completion of clinical objectives.

# Course Restriction: Enrollment in the Radiography Degree Program is required.

### back to top

		<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	Credit
RAD-271	Radiography Capstone	2	3	0	0	3

State Prerequisites: Take All: RAD-211, RAD-231, RAD-251;

State Corequisites: None

Description: This course provides an opportunity to exhibit problem-solving skills required for certification. Emphasis is placed on critical thinking and integration of didactic and clinical components. Upon completion, students should be able to demonstrate the knowledge required of an entry-level radiographer.

# Course Restriction: Enrollment in the Radiography Degree Program is required.

							Page   226
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Ex	<u>p</u> Credit
RAD-281	RAD Clinical	Elective	0	0	3	0	1
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course provides adv Emphasis is placed on enha should be able to successfu	vanced kn incing cli lly compl	owledg nical sk ete the	ge of clinic ills. Upon clinical co	cal applica completion ourse obje	tions. on, students ctives.
С	ourse Restricti	on: Enrollment in the Rad	liograph	y Degr	ee Progra	m is requ	ired.
		back to	<u>top</u>				
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Ex	p Credit
RAD-283	RAD Clinical	Elective	0	0	9	0	3
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course provides adv Emphasis is placed on enha should be able to successfu	vanced kn incing cli lly compl	owledg nical sk ete the	ge of clinic ills. Upor clinical co	cal applica n completi ourse obje	tions. on, students ctives.
С	ourse Restricti	on: Enrollment in the Rad	liograph	y Degr	ee Progra	m is requ	ired.
		back to	<u>top</u>				
		RECREATIO	ON (RE	C)			
			<u>Class</u>	Lab	Clinical	Work Ex	p Credit
REC-110	Intro to Leisur	re Services	3	0	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course introduces park aspects and the role of gove America. Emphasis is place arising from the social need should be able to outline the	and recr ernment in ed on the ls of urba e leisure r	eation s n meeti importa n Amei needs o	systems fo ng the rec ince of res ica. Upon f America	cusing on reational r source man completion in the 21s	the social needs of nagement on, students st century.

			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	Credit
REC-122	Program Adm	inistration	3	0	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course covers the orga programs. Topics include se solving techniques, and lead be able to construct schedul and cost analysis, and demo solving techniques.	nization chedules dership ro les for fa onstrate le	and imp and buo oles. Up cilities a eadersh	olementati dgets, grou oon compl and persor ip charact	on of recreat up dynamics etion, stude nnel, prepara eristics and	tional s, problen nts should e budgets problem-
		back to	<u>top</u>				
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	<u>Work Exp</u>	Credit
REC-126	Outdoor Recre	eation	1	2	0	0	2
	~	N.					
	Prerequisites:	None					
	Prerequisites: Corequisites:	None			1. 1.		
	Prerequisites: Corequisites: Description:	None None This course introduces outd surroundings. Emphasis is p community resources, and t completion, students should in an outdoor natural enviro	loor recre placed or federal and be able ponment.	eation a conser nd state to plan	nd its relativation, wi regulatory , organize,	tionship to c Idlife, natur y agencies. I , and conduc	our natura re, Upon ct activitie
	Prerequisites: Corequisites: Description:	None None This course introduces outd surroundings. Emphasis is p community resources, and t completion, students should in an outdoor natural environ <u>back to</u>	loor recre placed or federal and be able ponment. top	eation a conser nd state to plan	nd its related vation, wi regulatory , organize,	tionship to c Idlife, natur y agencies. I , and conduc	our natura re, Upon et activitie
	Prerequisites: Corequisites: Description:	None None This course introduces outd surroundings. Emphasis is p community resources, and t completion, students should in an outdoor natural enviro back to	loor recre placed or federal ar l be able onment. <u>top</u> <u>Class</u>	eation a conser nd state to plan	nd its relat vation, wi regulatory , organize, <u>Clinical</u>	tionship to c Idlife, natur y agencies. I , and conduc <u>Work Exp</u>	our natura re, Upon et activitie <u>Credit</u>
REC-127	Team Sports &	None None This course introduces outd surroundings. Emphasis is p community resources, and t completion, students should in an outdoor natural enviro <u>back to</u> & Games	loor recre placed or federal an l be able onment. top <u>Class</u> 1	eation a conser nd state to plan <u>Lab</u> 2	nd its relat vation, wi regulatory , organize, <u>Clinical</u> 0	tionship to o Idlife, natur y agencies. U and conduc <u>Work Exp</u> 0	our natura re, Upon et activitie <u>Credit</u> 2
REC-127	Prerequisites: Corequisites: Description: Team Sports & Prerequisites:	None None This course introduces outd surroundings. Emphasis is p community resources, and t completion, students should in an outdoor natural environ <u>back to</u> & Games None	loor recre placed or federal and be able onment. top <u>Class</u> 1	eation a conser nd state to plan <u>Lab</u> 2	nd its relate vation, wi regulatory , organize, <u>Clinical</u> 0	tionship to o Idlife, natur y agencies. U and conduc <u>Work Exp</u> 0	our natura re, Upon et activitie <u>Credit</u> 2
REC-127	Prerequisites: Corequisites: Description: Team Sports & Prerequisites: Corequisites:	None None This course introduces outd surroundings. Emphasis is p community resources, and t completion, students should in an outdoor natural environ <u>back to</u> & Games None None	loor recre placed or federal an 1 be able onment. top <u>Class</u> 1	eation a conser nd state to plan <u>Lab</u> 2	nd its relate vation, wi regulatory , organize, <u>Clinical</u> 0	tionship to c Idlife, natur y agencies. U and conduc <u>Work Exp</u> 0	our natura re, Upon et activitie <u>Credit</u> 2
REC-127	Prerequisites: Corequisites: Description: Team Sports & Prerequisites: Corequisites: Description:	None None This course introduces outd surroundings. Emphasis is p community resources, and t completion, students should in an outdoor natural enviro back to back to & Games None None This course covers the basic sports that are popular in re organization, administration students should be able to d sports and be able to evalua	loor recre placed or federal and be able onment. <u>top</u> <u>Class</u> 1 c rules, si creation n, and pro- lemonstra- tte a good	eation a n conser nd state to plan <u>Lab</u> 2 kills, an settings omotion ate know l team s	nd its relativation, wi regulatory , organize, <u>Clinical</u> 0 d termino . Emphasi n of sports wledge of sports prog	tionship to c Idlife, natur y agencies. I and conduc <u>Work Exp</u> 0 logy of sele is is placed o . Upon com the basics o gram.	our natura re, Upon et activitie <u>Credit</u> 2 cted team on pletion, f team

		RELIGI	ON (REL	)			
			Class	Lah	Clinical	Weet Fre	n Cuadit
DEL 110	World Daliaia			<u>Lao</u>	<u>Clinical</u>		
KEL-110		ons .	3	0	0	0	3
	Prerequisites:	None					
	Corequisites:	None	1 1 1 1		1	1	
	Description:	Primal religions, Hindui Upon completion, stude beliefs, and practices of	ne world's n sm, Buddhis nts should be the religions	najor re sm, Isla e able t s studie	m, Judaisi o identify d.	m, and Chr the origins	opics inclu- ristianity. s, history,
		back	<u>to top</u>				
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Ex	p <u>Credit</u>
REL-211	Introduction to	o Old Testament	3	0	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course is a survey of the law, prophets, and of literary, historical, arche	of the literatu ther writings cological, and	ure of the second se d second s	he Hebrew hasis is pla ral analysi	vs with rea aced on the s. Upon ce	dings from e use of ompletion,
	Description:	This course is a survey of the law, prophets, and of literary, historical, arche students should be able understand Old Testame back	of the literatu ther writings cological, and to use the too ent literature.	ure of the second se second second se	he Hebrew hasis is pla ral analysi ritical ana	vs with rea aced on the s. Upon co lysis to rea	dings from e use of ompletion, ad and
	Description:	This course is a survey of the law, prophets, and of literary, historical, arche students should be able understand Old Testame <u>back</u>	of the literatu ther writings cological, and to use the too ent literature.	ure of the second secon	he Hebrew hasis is pla ral analysi ritical ana Clinical	vs with rea aced on the s. Upon co lysis to rea Work Ex	dings from e use of ompletion, ad and
REL-212	Description:	This course is a survey of the law, prophets, and of literary, historical, arche students should be able understand Old Testame <u>back</u> o New Testament	of the literatu ther writings cological, and to use the to ent literature. <u>to top</u> <u>Class</u> 3	ure of the second secon	he Hebrew hasis is pla cal analysi ritical ana <u>Clinical</u> 0	vs with rea aced on the s. Upon co lysis to rea <u>Work Ex</u> 0	dings from e use of ompletion, ad and <u>p Credit</u> 3
REL-212	Description: Introduction to Prerequisites:	This course is a survey of the law, prophets, and of literary, historical, arche students should be able understand Old Testame <u>back</u> o New Testament None	of the literatu ther writings cological, and to use the to- ent literature. <u>Class</u> 3	ure of the second secon	he Hebrew hasis is pla ral analysi ritical ana <u>Clinical</u> 0	vs with rea aced on the s. Upon co lysis to rea <u>Work Ex</u> 0	dings from e use of ompletion, ad and <u>p Credit</u> 3
REL-212	Description: Description: Introduction to Prerequisites: Corequisites:	This course is a survey of the law, prophets, and of literary, historical, arche students should be able understand Old Testame <u>back</u> o New Testament None None	of the literatu ther writings cological, and to use the to- ent literature. <u>to top</u> <u>Class</u> 3	ure of the second secon	he Hebrew hasis is pla ral analysi ritical ana <u>Clinical</u> 0	vs with rea aced on the s. Upon co lysis to rea <u>Work Ex</u> 0	dings from e use of ompletion, ad and <u>p Credit</u> 3
REL-212	Description: Description: Introduction to Prerequisites: Corequisites: Description:	This course is a survey of the law, prophets, and of literary, historical, arche students should be able understand Old Testame <u>back</u> o New Testament None None This course is a survey of readings from the gospe include the literary struct writings, as well as the h community. Upon comp critical analysis to read a	of the literatu ther writings cological, and to use the to- ent literature. <u>to top</u> <u>Class</u> <u>3</u> of the literatu ls, Acts, and eture, audien- nistorical and pletion, stud- and understa	ure of the second secon	he Hebrew hasis is pla ral analysis ritical ana <u>Clinical</u> 0 irst-centur uline and p religious p ral context puld be ab v Testame	vs with rea aced on the s. Upon co lysis to rea <u>Work Ex</u> 0 y Christian pastoral let perspective of the earl le to use th nt literatur	dings from e use of ompletion, ad and <u>p Credit</u> <u>3</u> nity with tters. Topic e of the ly Christian he tools of re.
REL-212	Description: Description: Introduction to Prerequisites: Corequisites: Description:	This course is a survey of the law, prophets, and of literary, historical, arche students should be able understand Old Testame <u>back</u> o New Testament None None This course is a survey of readings from the gospe include the literary struct writings, as well as the fi community. Upon comp critical analysis to read a <u>back</u>	of the literatu ther writings cological, and to use the too ent literature <u>to top</u> <u>Class</u> <u>3</u> of the literatu ls, Acts, and eture, audien nistorical and pletion, stud- and understa	ure of the second secon	he Hebrew hasis is pla ral analysi ritical ana <u>Clinical</u> 0 irst-centur uline and p religious p al context puld be ab v Testame	vs with rea aced on the s. Upon co lysis to rea <u>Work Ex</u> 0 y Christian pastoral lef perspective of the earl le to use th nt literatur	dings from e use of ompletion, ad and <u>p Credit</u> <u>3</u> nity with tters. Topic e of the ly Christian he tools of re.
REL-212	Description: Introduction to Prerequisites: Corequisites: Description:	This course is a survey of the law, prophets, and of literary, historical, arche students should be able understand Old Testame <u>back</u> o New Testament None None This course is a survey of readings from the gospe include the literary struct writings, as well as the H community. Upon comp critical analysis to read a <u>back</u> <b>RESPIRATORY</b>	of the literatu ther writings cological, and to use the to- ent literature. <u>Class</u> 3 of the literatu ls, Acts, and eture, audien nistorical and pletion, stud- and understa <u>to top</u> <b>THERAI</b>	ure of the second secon	he Hebrew hasis is pla ral analysis ritical ana <u>Clinical</u> 0 irst-centur uline and p religious p al context buld be ab v Testame	vs with rea aced on the s. Upon co lysis to rea <u>Work Ex</u> 0 y Christian pastoral lea perspective of the earl le to use th nt literatur	dings from e use of ompletion, ad and <u>p Credit</u> <u>3</u> nity with tters. Topic e of the ly Christian ne tools of re.
REL-212	Description: Introduction to Prerequisites: Corequisites: Description:	This course is a survey of the law, prophets, and of literary, historical, arche students should be able understand Old Testame <u>back</u> o New Testament None None This course is a survey of readings from the gospe include the literary struct writings, as well as the H community. Upon comp critical analysis to read a <u>back</u> <b>RESPIRATORY</b>	of the literatu ther writings cological, and to use the too ent literature. <u>Class</u> 3 of the literatu ls, Acts, and cture, audien- nistorical and pletion, stud- and understa <u>c to top</u> <b>THERAH</b>	are of the second secon	he Hebrew hasis is pla ral analysi ritical ana <u>Clinical</u> 0 irst-centur uline and p religious p al context buld be ab v Testame <b>CP</b>	vs with rea aced on the s. Upon co lysis to rea <u>Work Ex</u> 0 y Christian pastoral lef perspective of the earl le to use th nt literatur	dings from e use of ompletion, ad and <u>p Credit</u> <u>3</u> nity with tters. Topic e of the ly Christian ne tools of re.

Prerequisites: None

Local Corequisites: None

Description: This course introduces the role of the respiratory care practitioner within interprofessional teams and interacting with diverse populations. Topics include medical gas administration, basic patient assessment, infection control, and medical terminology using proper written and oral communication methods to prepare students for clinical practice. Upon completion, students should be able to demonstrate competence in respiratory therapy concepts and procedures through written and laboratory evaluations.**Course Restriction: Enrollment in the Respiratory Therapy Degree Program is required.** 

#### back to top

		<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>Credit</u>
RCP-111	Therapeutics / Diagnostics	4	3	0	0	5

Prerequisites: Take RCP-110;

Corequisites: None

Description: This course provides emphasis on therapeutic and diagnostic procedures. Topics include applying problem solving strategies in the patient care setting, applying ethical principles in decision making, and practicing professional responsibilities, which will prepare students for clinical practice. Upon completion, students should be able to demonstrate competence in respiratory therapy concepts and procedures through written and laboratory evaluations.

### **Course Restriction: Enrollment in the Respiratory Therapy Degree Program is required.**

### back to top

<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	Credit
3	3	0	0	4

State Prerequisites: Take RCP-111;

State Corequisites: None

Patient Management

RCP-112

Description: This course provides entry-level skills in respiratory care procedures in acute and non-acute care settings. Emphasis is placed on therapeutic modalities and physiological effects, monitoring mechanical ventilation, and problemsolving strategies based on evidence-based medicine protocols and clinical practice guidelines. Upon completion, students should be able to demonstrate competence in respiratory therapy concepts and procedures through written and laboratory evaluations.

**Course Restriction: Enrollment in the Respiratory Therapy Degree Program is required.** 

			<u>Class</u>	Lab	<u>Clinical</u>	Work Exp	Credit
RCP-113	RCP Pharmac	ology	2	0	0	0	2
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course covers the c diseases. Emphasis is pl and hazards of pharmac able to demonstrate con	lrugs used in laced on the ological age npetence tho	the tre uses, ac nts. Up ugh wri	atment of ctions, indi on comple atten evalu	cardiopulm cations, ad tion, studer ations.	onary ministration nts should b
Cours	se Restriction:	Enrollment in the Resp	piratory The	erapy I	Degree Pro	ogram is ro	equired.
		back	<u>k to top</u>				
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	Credit
RCP-114	C-P Anatomy	and Physiology	3	0	0	0	3
	Prerequisites:	None					
	Corequisites: Description:	None This course provides and physiology essentia	a concentrat	ted stud	y of cardio espiratory	opulmonary care. Empl	/ anatomy hasis is
	Corequisites: Description:	None This course provides and physiology essentia placed on cardiovascula blood gas interpretation demonstrate competence	a concentrat I to the pract ar and pulmo . Upon comp e in these co	ted stud tice of r nary ph pletion, ncepts	y of cardio espiratory ysiology, students s through wi	opulmonary care. Empl acid/base b hould be at ritten evalu	v anatomy hasis is alance, and ble to ation.
Cours	Corequisites: Description: se Restriction:	None This course provides and physiology essentia placed on cardiovascula blood gas interpretation demonstrate competence <b>Enrollment in the Resp</b>	a concentrat I to the pract ar and pulmo . Upon comp e in these co piratory The	ted stud tice of r nary ph pletion, ncepts f e <b>rapy I</b>	y of cardio respiratory sysiology, students s through wa Degree Pro	opulmonary care. Empl acid/base b hould be at ritten evalu ogram is re	anatomy hasis is alance, and ble to ation. equired.
Cours	Corequisites: Description: se Restriction:	None This course provides and physiology essentia placed on cardiovascula blood gas interpretation demonstrate competence <b>Enrollment in the Resp</b> <u>back</u>	a concentrat I to the pract ar and pulmo . Upon comp e in these co piratory The k to top	ted stud tice of r nary ph pletion, ncepts t e <b>rapy I</b>	y of cardie espiratory sysiology, students s through wa Degree Pre	opulmonary care. Empl acid/base b hould be at ritten evalu ogram is re	anatomy hasis is alance, and ble to ation. equired.
Cours	Corequisites: Description:	None This course provides and physiology essentia placed on cardiovascula blood gas interpretation demonstrate competence <b>Enrollment in the Resp</b> <u>back</u>	a concentrate of the praction of the praction of the praction of the praction of the practice of the practice	ted stud tice of r nary ph pletion, ncepts r erapy I Lab	y of cardio espiratory sysiology, students s through we Degree Pro <u>Clinical</u>	opulmonary care. Empl acid/base b hould be ab ritten evalu ogram is ro <u>Work Exp</u>	anatomy hasis is alance, and ble to ation. equired.
Cours RCP-115	Corequisites: Description: <b>Se Restriction:</b> C-P Pathophy	None This course provides and physiology essentia placed on cardiovascula blood gas interpretation demonstrate competence <b>Enrollment in the Resp</b> <u>back</u>	a concentrate of the praction of the praction of the praction of the praction of the practice of the practice	ted stud tice of r nary ph pletion, ncepts r erapy I Lab 0	y of cardio espiratory ysiology, students s through wi Degree Pro <u>Clinical</u> 0	opulmonary care. Empl acid/base b hould be at ritten evalu ogram is ro <u>Work Exp</u> 0	y anatomy hasis is alance, and ble to ation. equired. <u>Credit</u> 2
Cours RCP-115	Corequisites: Description: <b>Se Restriction:</b> C-P Pathophy Prerequisites:	None This course provides and physiology essentia placed on cardiovascula blood gas interpretation demonstrate competence <b>Enrollment in the Resp</b> back	a concentrat I to the pract ar and pulmo . Upon comp e in these co piratory The <u>k to top</u> <u>Class</u> 2	ted stud tice of r nary ph pletion, ncepts r erapy I Lab 0	y of cardio espiratory ysiology, students s through wi Degree Pro <u>Clinical</u> 0	opulmonary care. Empl acid/base b hould be at ritten evalu ogram is ro <u>Work Exp</u> 0	v anatomy hasis is alance, and ble to ation. equired. <u>Credit</u> 2
Cours RCP-115	Corequisites: Description: Se Restriction: C-P Pathophy Prerequisites: Corequisites:	None This course provides and physiology essentia placed on cardiovascula blood gas interpretation demonstrate competence <b>Enrollment in the Resp</b> back siology None None	a concentrate of the praction of the praction of the praction of the praction of the practice of the practice	ted stud tice of r nary ph oletion, ncepts f erapy I Lab 0	y of cardio espiratory ysiology, students s through wr Degree Pro <u>Clinical</u> 0	opulmonary care. Empl acid/base b hould be ab ritten evalu ogram is ro <u>Work Exp</u> 0	y anatomy hasis is alance, and ble to ation. equired. <u>Credit</u> 2
Cours RCP-115	Corequisites: Description: Se Restriction: C-P Pathophy Prerequisites: Corequisites: Description:	None This course provides and physiology essentia placed on cardiovascular blood gas interpretation demonstrate competence <b>Enrollment in the Resp</b> <u>back</u> siology None None This course introduce symptoms, diagnoses, p cardiopulmonary diseas modifying respiratory ca and clinical practice gui demonstrate competence written evaluations.	a concentrat l to the pract ar and pulmo . Upon comp e in these co <b>piratory The</b> <u>Class</u> 2 es the etiolog prognoses, co es. Emphasis are plans bas delines. Upo e in cardio-p	ted stud tice of r nary ph oletion, ncepts f erapy I <u>Lab</u> 0 gy, path omplicat s is plac sed on e on comp	y of cardio espiratory sysiology, students s through wi <b>Degree Pro</b> <u>Clinical</u> 0 ophysiolo tions, and ced on dev evidence-b oletion, stu	opulmonary care. Empl acid/base b hould be at ritten evalu ogram is ro <u>Work Exp</u> 0 gy, clinical management eloping, ev ased medic idents shou	y anatomy hasis is alance, and ole to ation. equired. 2 <u>Credit</u> 2 signs and nt of aluating, ar ine protoco ld be able to hrough

			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Ex	<u>p</u> <u>Credit</u>
RCP-122	Special Practic	ce Lab	0	2	0	0	1
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course provides ad respiratory care. Emphasis equipment management. U demonstrate competence in evaluations. <b>Course Restri</b> <b>Degree Program is requir</b>	ditional la is placed pon comp concepts ction: En red.	aborator on ther pletion, s and pr <b>nrollme</b>	ry learning apeutic pr students s ocedures t ent in the	g opportun rocedures should be through la <b>Respirat</b>	iities in and able to boratory o <b>ry Therapy</b>
		back to	<u>o top</u>				
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Ex	<u>p</u> Credit
RCP-123	Special Practic	ce Lab	0	3	0	0	1
	D · ·	N7					
	Prerequisites:	None					
	Corequisites: Description:	None This course provides ad	ditional la	aborator	ry learning	g opportur	ities in
	Corequisites: Description:	None None This course provides ad- respiratory care. Emphasis equipment management. U demonstrate competence ir evaluations. Course Restr Degree Program is requir	ditional la is placed pon comp concepts iction: E red.	aborator on ther pletion, s and pr <b>nrollm</b>	ry learning apeutic pr students s ocedures t ent in the	g opportur rocedures should be through la e <b>Respirat</b>	and and able to boratory to <b>ry Therap</b>
	Corequisites: Description:	None None This course provides ad- respiratory care. Emphasis equipment management. U demonstrate competence in evaluations. <b>Course Restr</b> <b>Degree Program is requin</b> back to	ditional la is placed pon comp concepts iction: E red.	aborator on ther pletion, s and pr <b>chrollm</b>	ry learning apeutic pr students s ocedures t ent in the	g opportur rocedures should be through la e <b>Respirat</b>	and and able to boratory <b>cory Therap</b>
	Prerequisites: Corequisites: Description:	None None This course provides ad respiratory care. Emphasis equipment management. U demonstrate competence in evaluations. Course Restr Degree Program is require back to	ditional la is placed pon comp concepts iction: E red. <u>ctop</u> <u>Class</u>	aborator on ther pletion, s and pr <b>nrollm</b> <u>Lab</u>	ry learning apeutic pr students s cocedures t ent in the <u>Clinical</u>	g opportur ocedures should be through la e <b>Respirat</b>	nities in and able to boratory <b>cory Therap</b>
RCP-132	Corequisites: Description: RCP Clinical	None None This course provides ad respiratory care. Emphasis equipment management. U demonstrate competence ir evaluations. <b>Course Restr</b> <b>Degree Program is requin</b> <u>back to</u> Practice I	ditional la is placed pon comp concepts iction: E red. <u>o top</u> <u>Class</u> 0	aborator on ther pletion, s and pr <b>Enrollm</b> <u>Lab</u> 0	ry learning apeutic pr students s ocedures f ent in the <u>Clinical</u> 6	g opportur ocedures = should be = through la e <b>Respirat</b> <u>Work Ex</u> 0	and and able to boratory tory Therap
RCP-132	Prerequisites: Corequisites: Description: RCP Clinical Prerequisites:	None None This course provides ad- respiratory care. Emphasis equipment management. U demonstrate competence in evaluations. <b>Course Restr</b> <b>Degree Program is requin</b> <u>back to</u> Practice I Take RCP-110;	ditional la is placed fpon comp concepts iction: E red. <u>ctop</u> <u>Class</u> 0	aborator on ther oletion, s and pr <b>Enrollm</b> <u>Lab</u> 0	ry learning apeutic pr students s ocedures f <b>ent in the</b> <u>Clinical</u> 6	g opportur focedures should be through la <b>Respirat</b> <u>Work Ex</u> 0	and and able to boratory cory Therap
RCP-132	Prerequisites: Corequisites: Description: RCP Clinical D Prerequisites: Corequisites:	None None This course provides ad- respiratory care. Emphasis equipment management. U demonstrate competence in evaluations. <b>Course Restr</b> <b>Degree Program is requin</b> <u>back to</u> Practice I Take RCP-110; None	ditional la is placed pon comp concepts iction: E red. <u>ctop</u> <u>Class</u> 0	aborator on ther pletion, s and pr <b>chrollm</b> <u>Lab</u> 0	ry learning rapeutic pr students s cocedures f ent in the <u>Clinical</u> 6	g opportur rocedures should be through la e <b>Respirat</b> <u>Work Ex</u> 0	and and able to boratory <b>cory Therap</b>
RCP-132	Prerequisites: Corequisites: Description: RCP Clinical I Prerequisites: Corequisites: Description:	None None This course provides ad- respiratory care. Emphasis equipment management. U demonstrate competence in evaluations. <b>Course Restr</b> <b>Degree Program is requin</b> <u>back to</u> Practice I Take RCP-110; None This course provides entry- therapeutic and diagnostic able to demonstrate clinica	ditional la is placed (pon comp a concepts <b>iction: E</b> <b>red.</b> <u>Class</u> 0 -level clir patient ca l compete	aborator on ther pletion, s and pr <b>inrollm</b> <u>Lab</u> 0 nical exp ence in p	ry learning apeutic pr students s ocedures f <b>ent in the</b> <u>Clinical</u> 6 perience. I on complet required p	g opportur rocedures a should be a through la e <b>Respirat</b> <u>Work Ex</u> 0 Emphasis tion, stude erformance	hities in and able to boratory <b>cory Therap</b> <u>ory Credit</u> 2 is placed on ents should b ce evaluation
RCP-132	Prerequisites: Corequisites: Description: RCP Clinical Prerequisites: Corequisites: Description: Se Restriction:	None None This course provides ad respiratory care. Emphasis equipment management. U demonstrate competence ir evaluations. Course Restr Degree Program is requir back to Practice I Take RCP-110; None This course provides entry therapeutic and diagnostic able to demonstrate clinica Enrollment in the Respira	ditional la is placed pon comp concepts iction: E red. <u>Class</u> 0 -level clir patient ca l compete atory The	aborator on ther pletion, s and pr <b>inrollm</b> <u>Lab</u> 0 nical exp nre. Upo ence in r	ry learning apeutic pr students s ocedures f <b>ent in the</b> <u>Clinical</u> 6 perience. I on complet required p <b>Degree Pr</b>	g opportur ocedures a should be a through la e <b>Respirat</b> <u>Work Ex</u> 0 Emphasis tion, stude erformance	hities in and able to boratory <b>cory Therap</b> (p) <u>Credit</u> 2 is placed on ents should b ce evaluation <b>required.</b>

			<u>Class</u>	Lab	Clinical	Work Ex	Page   232 p <u>Credit</u>
RCP-144	RCP Clinical	Practice II	0	0	12	0	4
	State Prerequi	sites: Take RCP-110;					
	State Corequia	sites: Take RCP-111;					
	Description:	This course provides entry therapeutic and diagnostic able to demonstrate clinica	y-level clin c patient ca al compete	iical exp re. Upo ence in 1	perience. l on complet required p	Emphasis i tion, stude erformanc	is placed on nts should be e evaluations
Cours	se Restriction:	Enrollment in the Respir	ratory The	erapy D	egree Pr	ogram is 1	required.
		back t	<u>o top</u>				
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Ex	p <u>Credit</u>
RCP-153	RCP Clinical	Practice III	0	0	9	0	3
	State Prerequi	sites: Take RCP-111;					
	Corequisites:	None					
	Description:	This course provides entry therapeutic and diagnostic able to demonstrate clinic	y-level clin c patient ca al compete	iical exp re. Upo ence in 1	perience. l on complet required p	Emphasis i tion, stude erformanc	is placed on nts should be e evaluations
Cours	se Restriction:	Enrollment in the Respir	ratory The	erapy D	egree Pr	ogram is 1	required.

						Page   2	233
		<u>Class</u>	Lab	<u>Clinical</u>	Work Ex	<u>p</u> <u>Credit</u>	
RCP-210	Critical Care Concepts	3	3	0	0	4	

Prerequisites: None

Corequisites: None

Description: This course provides further refinement of acute patient care and underlying pathophysiology. Topics include a continuation in the application and management of mechanical ventilation, assessment underlying pathophysiology, and introduction of critical care monitoring. Upon completion, students should be able to demonstrate competence in respiratory therapy concepts and procedures through written, laboratory and/or clinical simulation evaluations.

## Course Restriction: Enrollment in the Respiratory Therapy Degree Program is required.

### back to top

		<u>Class</u>	Lab	<u>Clinical</u>	Work Exp	Credit
RCP-211	Adv Monitoring / Procedures	3	3	0	0	4

State Prerequisites: Take RCP-210;

Corequisites: None

Description: This course includes advanced information gathering and decision making for the respiratory care professional using evidence-based respiratory care protocols. Topics include advanced cardiac monitoring, special procedures, respiratory care protocols, and disease management. Upon completion, students should be able to assess, recommend, and independently modify respiratory care protocols through written, laboratory and/or clinical simulation evaluations.**Course Restriction: Enrollment in the Respiratory Therapy Degree Program is required.** 

### back to top

		<u>Class</u>	Lab	<u>Clinical</u>	Work Exp	Credit
RCP-214	Neonatal/Peds RC .	1	3	0	0	2

State Prerequisites: Take RCP-111;

Corequisites: None

Description: This course provides comprehensive coverage of the concepts of neonatal and pediatric respiratory care. Emphasis is placed on pathophysiology, patient assessment and special therapeutic needs of neonates and children based on evidence-based medicine protocols and clinical practice guidelines. Upon completion, students should be able to demonstrate competence in the neonatal and pediatric respiratory care concepts through written, laboratory and/or clinical simulation evaluations.

					0	-	· · · · · · · · · · · · · · · · · · ·		
		back	to top						
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Ex	p <u>Credit</u>		
RCP-215	Career Prepara	ation	0	3	0	0	1		
	Prerequisites:	None							
	Corequisites:	None							
	Description:	This course provides an or preparation for credential preparation. Upon comple comprehensive knowledg successful completion of	overview of ing exam. l etion, stude the of respiration the credent	Frespira Emphasents sho atory th tialing p	ntory thera sis is place ould be abl erapy and process.	py concep ed on regis e to demo be prepare	ts in try nstrate a ed for		
Cours	e Restriction:	Enrollment in the Respi	ratory The	erapy I	Degree Pro	ogram is 1	required.		
		back t	to top	<b>.</b> .					
			Class	Lab	<u>Clinical</u>	Work Ex	p <u>Credit</u>		
<u>ACP-235</u>	RCP Clinical	Practice IV	0	0	15	0	5		
	State Prerequisites: Take RCP-111; State Correquisites: Take RCP 210;								
	State Corequisites: Take RCP-210;								
	Description:	This course provides adva placed on therapeutic and should be able to demons evaluations.	anced pract diagnostic trate clinica	titioner patien al comp	clinical ex t care. Upo petence in	xperience. on comple required p	Emphasis is tion, students performance		
Cours	e Restriction:	Enrollment in the Respi	ratory The	erapy I	Degree Pro	ogram is 1	required.		
		back t	to top						
			<u>Class</u>	Lab	<u>Clinical</u>	Work Ex	p <u>Credit</u>		
RCP-246	RCP Clinical	Practice V	0	0	18	0	6		
	State Prerequi	sites: Take RCP-210;							
	State Corequis	sites: Take RCP-211;							
	Description:	This course provides adva placed on therapeutic and should be able to demons evaluations.	anced pract diagnostic trate clinica	titioner patien al comp	clinical ex t care. Upo petence in	xperience. on comple required p	Emphasis is tion, students performance		
	e Restriction:	Enrollment in the Respi	ratory The	erapy I	Degree Pro	ogram is 1	required.		
Cours									

# SCIENCE (SCI)

		Class	<u>Lab</u>	<u>Clinical</u>	Work Exp	Credit
SCI-090	Skills for the Sciences	2	2	0	0	3

Prerequisites: None

Corequisites: None

Description: This course is designed to provide fundamental skills necessary for entry into college-level science courses. Topics include scientific vocabulary, measurement, scientific notation, the scientific method for solving problems, collaborative skills, and applications to various areas of science. Upon completion, students should be able to demonstrate a readiness for college-level science courses.

### back to top

# SIMULATION & GAME DEVELOPMENT (SGD)

			<u>Class</u>	<u>Lab</u>	Clinical	Work Exp	<u>Credit</u>				
SGD-111	Introduction to	o SGD	2	3	0	0	3				
	Prerequisites:	None									
	Corequisites:	None									
	Description:	This course provides studen development. Topics includ interface design, game play AI, the psychology of game students should be able to d simulation and game design	This course provides students with an introduction to simulation and game levelopment. Topics include setting, storytelling, narrative, character design, nterface design, game play, internal economy, core mechanics, game genres, AI, the psychology of game design and professionalism. Upon completion, students should be able to demonstrate knowledge of the major aspects of simulation and game design and development. <u>back to top</u>								
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>Credit</u>				
SGD-112	SGD Design		2	3	0	0	3				
	Prerequisites:	None									
	Corequisites:	None									
Description: This course introduces the fundamentals of simulation and game desi Topics include industry standards and design elements for simulation games. Upon completion, students should be able to design simple simulations and/or games. <u>back to top</u>											
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	Credit				
SGD-113	SGD Program	ming	2	3	0	0	3				
	Prerequisites:	None									

Corequisites: None

Description: This course introduces the fundamentals of programming languages and tools employed in simulation and game development. Emphasis is placed on programming concepts used to create simulations and games. Upon completion, students should be able to program simple games and/or simulations.back to top

# SOCIOLOGY (SOC)

		<u>Class</u>	Lab	<u>Clinical</u>	Work Exp	<u>Credit</u>
SOC-210	Introduction to Sociology	3	0	0	0	3

Prerequisites: None

Corequisites: None

Description: This course introduces the scientific study of human society, culture, and social interactions. Topics include socialization, research methods, diversity and inequality, cooperation and conflict, social change, social institutions, and organizations. Upon completion, students should be able to demonstrate knowledge of sociological concepts as they apply to the interplay among individuals, groups, and societies. <u>back to top</u>

		Class	Lab	Clinical	Work Ex	<u>p</u> Credit
SOC-213	Sociology of the Family	3	0	0	0	3

Prerequisites: None

Corequisites: None

Description: This course covers the institution of the family and other intimate relationships. Emphasis is placed on mate selection, gender roles, sexuality, communication, power and conflict, parenthood, diverse lifestyles, divorce and remarriage, and economic issues. Upon completion, students should be able to analyze the family as a social institution and the social forces which influence its development and change.

							Page   237			
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	<u>Work Exp</u>	<u>Credit</u>			
SOC-220	Social Probler	ns	3	0	0	0	3			
	Prerequisites:	None								
	Corequisites:	None								
	Description:	This course provides an in- is placed on causes, consequ associated with families, scl environment. Upon complet analyze, and propose solution	depth stud uences, an hools, wo etion, stud ons to the	dy of cu nd poss orkplace dents sh ese prob	urrent soci ible soluti es, commu nould be al plems.	al problem ions to prob inities, and ble to recog	s. Emphasis olems the gnize, define,			
		back to	<u>top</u>							
			<u>Class</u>	Lab	<u>Clinical</u>	Work Exp	<u>Credit</u>			
SOC-225	Social Diversi	ty	3	0	0	0	3			
	Prerequisites:	None								
	Corequisites:	None								
	Description:	This course provides a comp contributions, and experience gender, sexual orientation, or should be able to analyze he they affect personality deve	This course provides a comparison of diverse roles, interests, opportunities, contributions, and experiences in social life. Topics include race, ethnicity, gender, sexual orientation, class, and religion. Upon completion, students should be able to analyze how cultural and ethnic differences evolve and how they affect personality development, values, and tolerance.							
		back to	<u>top</u>							
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>Credit</u>			
SOC-230	Race and Ethr	ic Relations	3	0	0	0	3			
	Prerequisites:	None								
	Corequisites:	None								
	Description:	This course includes an examination of the various aspects of race and ethnicity and how these lead to different experiences, opportunities, problems, and contributions. Topics include prejudice discrimination, perceptions, myths, stereotypes, and intergroup relationships. Upon completion, students should be able to identify and analyze relationships among racial and ethnic groups within the larger society. <u>back to top</u>								

			Class	Lab	Clinical	Work Ex	<b>Page   238</b> p Credit		
SOC-234	Sociology of (	Gender	3	0	0	0	3		
	Prerequisites:	None							
	Corequisites:	None							
	Description:	This course examines conterecent changes. Topics include gender issues related to family should be able to analyze m	This course examines contemporary roles in society with special emphasis on ecent changes. Topics include sex role socialization, myths and stereotypes, ender issues related to family, work, and power. Upon completion, students hould be able to analyze modern relationships between men and women.						
		back to	top						
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Ex	<u>p</u> <u>Credit</u>		
SOC-240	Social Psycho	logy	3	0	0	0	3		
	Prerequisites:	None							
	Corequisites:	None							
	Description:	This course examines the in behavior and personality. E communication, conformity race and ethnicity, small gro completion, students should social forces that influence	If luence of Emphasis 7, devianc Dup exper l be able t the indivi	of cultu is place e, inter riences, to ident idual in	re and soc ed on the p personal a and sociatify and an a society.	ial groups process of attraction, l moveme alyze cult <u>back to t</u>	on individual socialization, intimacy, nts. Upon ural and <u>op</u>		
			<u>Class</u>	Lab	<u>Clinical</u>	Work Ex	<u>p</u> Credit		
SOC-244	Sociology of I	Death and Dying	<u>Class</u> 3	<u>Lab</u> 0	Clinical 0	Work Ex	p <u>Credit</u> 3		
SOC-244	Sociology of I Prerequisites:	Death and Dying None	<u>Class</u> 3	<u>Lab</u> 0	<u>Clinical</u> 0	Work Ex	p <u>Credit</u> 3		
SOC-244	Sociology of I Prerequisites: Corequisites:	Death and Dying None None	<u>Class</u> 3	<u>Lab</u> 0	<u>Clinical</u> 0	Work Ex 0	p <u>Credit</u> 3		

							Page   23		
		SPANISH	I (SPA)						
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	p Credit		
SPA-111	Elementary S	panish I	3	0	0	0	3		
	Prerequisites:	None							
	Corequisites:	None							
	Description:	This course introduces the within a cultural context. If listening, speaking, reading should be able to comprehe spoken and written Spanish	fundamer Emphasis g, and wri end and re n and dem	ntal eler is place ting ski espond nonstrat	ments of the ed on the c ills. Upon with gram e cultural	ne Spanish levelopme completic matical ac awareness	language nt of basic on, students curacy to . <u>back to top</u>		
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>p</u> <u>Credit</u>		
SPA-112	Elementary S	panish II	3	0	0	0	3		
	State Prerequisites: Take SPA-111;								
	Corequisites:	None							
	Description:	This course is a continuation of SPA 111 focusing on the fundamental elements of the Spanish language within a cultural context. Emphasis is placed on the progressive development of listening, speaking, reading, and writing skills. Upon completion, students should be able to comprehend and respond with increasing proficiency to spoken and written Spanish and demonstrate further cultural awareness back to top							
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>p</u> Credit		
SPA-120	Spanish for th	e Workplace	3	0	0	0	3		
	State Prerequi	sites: None							
	Corequisites:	None							
	Description:	otion: This course offers applied Spanish for the workplace to facilitate basic communication with people whose native language is Spanish. Emphasis is placed on oral communication and career-specific vocabulary that targets health, business, and/or public service professions. Upon completion, students should be able to communicate at a functional level with native speakers and demonstrate cultural sensitivity. <u>back to top</u>							

			Class	Lab	Clinical	Work Ex	<b>P a g e   240</b> p Credit		
SPA-211	Intermediate S	Spanish I	3	0	0	0	3		
	State Prerequi	sites: Take SPA-112;							
	Corequisites:	None							
Description: This course provides a review and expansion of the essential skills of the Spanish language. Emphasis is placed on the study of authentic and representative literary and cultural texts. Upon completion, students should be able to communicate effectively, accurately, and creatively about the past, present, and future.									
back to top									
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Ex	p Credit		
SPA-212	Intermediate S	Spanish II	3	0	0	0	3		
	State Prerequi	sites: Take SPA-211;							
	Corequisites:	None							
	Description:	This course provides a cont continuing study of authent Upon completion, students accurately with increasing of	inuation of the second	of SPA presenta e able to ty and s	211. Emp ative litera commun cophisticat	hasis is p ry and cu icate spor ion.	laced on the ltural texts. ntaneously and		
		back to	<u>top</u>						
		SUBSTANCE A	BUSE (	(SAB)					
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Ex	p Credit		
SAB-110	Substance Ab	ue Overview	3	0	0	0	3		
	Prerequisites:	None							
	Corequisites:	None							

Description: This course provides an overview of the core concepts in substance abuse and dependence. Topics include the history of drug use/abuse, effects on societal members, treatment of addiction, and preventive measures. Upon completion, students should be able to demonstrate knowledge of the etiology of drug abuse, addiction, prevention, and treatment.

			Class	Lab	Clinical	Work Fy	Page   241				
SAD 127	Co Domondon		2	<u>Lau</u>			2 <u>Crean</u>				
SAB-13/	Co-Dependen	Cy N	3	0	0	0	3				
	Prerequisites:	None									
	Corequisites:	None	None								
	Description:	This course introduces the a syndromes of the addictive recovery within the context to choose a healthy model of to assess levels of co-depen mental health and develop s	of a para of a para of life. Up dency an	Empha digm s oon con d assoc to enha	ept and co- sis is place hift which npletion, s viated leve ance health	dependen ed on treat allows the tudents sh ls of physi h.	cy as ment and e individual ould be able cal and				
		back to	top								
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Ex	p <u>Credit</u>				
SAB-210	Sub Abuse Co	ounseling	2	2	0	0	3				
	Prerequisites:	None									
	Corequisites:	None									
	Description:	This course provides theory strategies designed to obtain prevent relapse. Topics incl families, screening instrume recovery and relapse, and sp should be able to discuss iss models, and initiate a proce	and skill n theraper ude coun ents, cour pecial pop sues critic dure culn	ls acqui utic inf seling i nseling pulation cal to re ninating	isition by ormation, individual technique ns. Upon c ecovery, ic g in cognit	utilizing ir support re s and dysf s and appr completion dentify inte tive/behav	ntervention covery, and unctional oaches, a, students ervention ioral change.				
		back to	<u>top</u>								
	TELEC	OMM & NETWORKI	NG EN	GINE	ERING	(TNE)					
			Class	Lah	Clinical	Work Fy	n Credit				
TNE_111	Campus Netw	orks I	<u>~1055</u> 2	3	<u>ennear</u>	0	3				
1112-111	Drerequisites	None	2	5	U	U	J				
	Coroquisites:	None									
	Corequisites:	INDIR									

Description: This course is designed to introduce the fundamentals of data/computer networks. Topics include an overview of data communication standards, protocols, equipment, and how they are integrating into network topologies and systems. Upon completion, students should be able to demonstrate an understanding of telecommunication and networking.

						Page	242
		<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>p</u> <u>Credit</u>	
TNE-250	Intro to Telecom Networks	2	3	0	0	3	

Prerequisites: None

Corequisites: None

Description: This course introduces the principal elements and theory (both analog and digital) of telecommunication networking systems. Topics include system network overview, subscriber loops, network testing and measurement, wiring, network transmission techniques synchronization and analysis, switching and signaling, and related applications. Upon completion, students should be able to demonstrate knowledge of the concepts associated with telecommunication network systems.

# back to top

# **THERAPEUTIC MASSAGE (MTH)**

		<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	Credit
MTH-110	Fundamentals of Massage	6	9	3	0	10

Prerequisites: None

Local Corequisites: Take BIO-163;

Description: This course introduces concepts basic to the role of the massage therapist in a variety of clinical settings. Emphasis is placed on beginning theory and techniques of body work as well as skill in therapeutic touch. Upon completion of the course, the student should be able to apply basic practical massage therapy skills.

# **Course Restriction: Enrollment in the Therapeutic Massage Degree Program is required.**

# back to top

			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>Credit</u>
MTH-120	Therapeutic N	Iassage Applications	6	9	3	0	10
	State Prerequi	sites: Take MTH-110;					
	Corequisites:	None					
	Description:	This course provides an exp therapist in a variety of clin therapeutic approaches thro should be able to perform e populations.	banded kr ical settir ughout th ntry level	nowledg ngs. Er ne lifesj l therap	ge and ski nphasis is pan. Upor eutic mass	ll base for the placed on s completion sage on vari	he massage elected n, students ious
Cours	e Restriction:	<b>Enrollment in the Therap</b>	eutic Ma	ssage I	<b>Degree Pr</b>	ogram is re	equired.

							Page   2
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>p</u> <u>Credit</u>
MTH-121	Clinical Supp	lement I	0	0	3	0	1
	Prerequisites:	None					
	State Corequia	sites: Take One: MTH-110	), MTH-12	20, MTI	Н-125, МТ	TH-210, or	MTH-220
	Description:	This course is designed to experiences. Emphasis is process across the lifespar demonstrate delivery of m <b>Restriction: Enrollment</b> required.	introduce placed on a. Upon co assage tec in the Th	the stud applyir ompleti chniques aerapeu	dent to a v ng the thera on, studen s in a clinio <b>itic Massa</b>	ariety of c apeutic ma ts should b cal setting. ge Degree	linical assage be able to a <b>Course</b> a <b>Program</b>
		back to	o top				
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>p</u> Credit
MTH-125	Ethics of Mas	sage	2	0	0	0	2
	State Prerequi	sites: Take MTH-120;					
	Corequisites:	None					
	Description:	This course is designed to therapy. Emphasis is plac	ed on ethi	cal, leg	al, professi	ional, and	political
	Description:	This course is designed to therapy. Emphasis is plac issues. Upon completion of issues relating to the pract relationships as well as eth <b>the Therapeutic Massage</b>	ed on ethi of this cou ice of mas nical issue e <b>Degree</b> I	cal, legs irse, stu ssage th s. <b>Cour</b> s <b>Progra</b>	al, professi idents shou erapy, clie se Restric m is requi	ional, and ild be able nt / therap tion: Enr red.	political to discuss ist ollment in
	Description:	This course is designed to therapy. Emphasis is plac issues. Upon completion of issues relating to the pract relationships as well as eth <b>the Therapeutic Massage</b> <u>back to</u>	ed on ethi of this cou ice of mas nical issue e <b>Degree</b> I	cal, lega urse, stu ssage th s. <b>Cours</b>	al, professi idents shou erapy, clie se Restric m is requi	ional, and ild be able nt / therap tion: Enr red.	political to discuss ist ollment in
	Description:	This course is designed to therapy. Emphasis is plac issues. Upon completion of issues relating to the pract relationships as well as eth <b>the Therapeutic Massage</b> <u>back to</u>	ed on ethi of this cou ice of mas nical issue e <b>Degree</b> I o top <u>Class</u>	cal, lega irse, stu ssage th s.Cours Program	al, professi idents shou erapy, clie se Restric m is requi	ional, and ild be able nt / therap tion: Enr red.	political to discuss ist ollment in
MTH-130	Description: Therapeutic M	This course is designed to therapy. Emphasis is plac issues. Upon completion of issues relating to the pract relationships as well as eth <b>the Therapeutic Massage</b> <u>back to</u> Massage Management	explore is ed on ethi of this cou ice of mas nical issue e <b>Degree</b> I <u>o top</u> <u>Class</u> 2	cal, lega irse, stu ssage th s. <b>Cours</b> <b>Progra</b> <u>Lab</u> 0	al, professi idents shou erapy, clie se Restric m is requi <u>Clinical</u> 0	ional, and ild be able nt / therap tion: Enr red. <u>Work Exp</u> 0	political to discuss ist ollment in <u>p Credit</u> 2
MTH-130	Therapeutic M State Prerequi	This course is designed to therapy. Emphasis is plac issues. Upon completion of issues relating to the pract relationships as well as eth <b>the Therapeutic Massage</b> <u>back to</u> Massage Management sites: Take MTH-110;	explore is ed on ethi of this cou ice of mas nical issue e <b>Degree</b> I <u>o top</u> <u>Class</u> 2	cal, lega irse, stu ssage th s. <b>Cours</b> <b>Progra</b> <u>Lab</u> 0	al, professi idents shou erapy, clie se Restric m is requi <u>Clinical</u> 0	ional, and ild be able nt / therap <b>tion: Enr</b> <b>red.</b> <u>Work Exp</u> 0	political to discuss ist ollment in <u>p Credit</u> 2
MTH-130	Therapeutic M State Prerequi Corequisites:	This course is designed to therapy. Emphasis is plac issues. Upon completion of issues relating to the pract relationships as well as eth <b>the Therapeutic Massage</b> <u>back to</u> Massage Management sites: Take MTH-110; None	explore is ed on ethi of this cou ice of mas nical issue <b>Degree I</b> <u>o top</u> <u>Class</u> 2	cal, lega irse, stu sage th s. <b>Cour</b> s <b>Progra</b> <u>Lab</u> 0	al, professi idents shou erapy, clie se Restric m is requi <u>Clinical</u> 0	ional, and ild be able nt / therap tion: Enr red. <u>Work Exp</u> 0	political to discuss ist ollment in <u>p Credit</u> 2
MTH-130	Therapeutic M State Prerequi Corequisites: Description:	This course is designed to therapy. Emphasis is plac issues. Upon completion of issues relating to the pract relationships as well as eth <b>the Therapeutic Massage</b> <u>back to</u> Massage Management sites: Take MTH-110; None This course introduces the administration of a profess placed on identifying succ selecting a business structo business / marketing plan, from clinical practice, mark	explore is ed on ethi of this cou ice of mas nical issue <b>Degree I</b> <u>o top</u> <u>Class</u> 2 basic resp sional mas ressful pra ure, negot designing nagement	cal, lega irse, stu isage th s. <b>Cours</b> <b>Progran</b> <u>Lab</u> 0 0 ponsibil isage th ctice mains iating a g a mass of clien	al, professi al, professi dents shou erapy, clie se Restric m is requi <u>Clinical</u> 0 lities in the erapy prac anagement contract / sage space, it / financia	ional, and ild be able nt / therap <b>tion: Enr</b> red. <u>Work Exp</u> 0 e developm tice. Emp t methods lease, developm t methods a lease, developm	polit to d ist ollm <u>o</u> <u>Cr</u> hent hasis such elopi ating
MTH-130	Therapeutic M State Prerequi Corequisites: Description:	This course is designed to therapy. Emphasis is plac issues. Upon completion of issues relating to the pract relationships as well as eff <b>the Therapeutic Massage</b> <u>back to</u> Massage Management sites: Take MTH-110; None This course introduces the administration of a profess placed on identifying succ selecting a business structu business / marketing plan, from clinical practice, man referral. Upon completion knowledge and skills nece practice. <b>Course Restricti</b> <b>Degree Program is requi</b>	explore is ed on ethi of this cou ice of mas nical issue e Degree I o top <u>Class</u> 2 basic resp sional mas ressful pra ure, negot designing nagement n, student s ressary to de ion: Enro	cal, lega rrse, stu sage th s. <b>Cour</b> : <b>Progran</b> <u>Lab</u> 0 2 20 20 20 20 20 20 20 20 20 20 20 20	al, professi al, professi dents shou erapy, clie se Restric m is requi <u>Clinical</u> 0 lities in the erapy prac anagement contract / sage space, it / financia be able to o and manag	e practice of ional, and ild be able able at / therap tion: Enr red.          Work Exp         0         e developmentice. Emp         tice. Emp         tice. Emp         tice. Emp         tice. and the endown of the endown	political to discussist ollment in <u>p Credit</u> <u>2</u> hent and hasis is such as eloping a ating spa and physic te the ge therapy <b>Massage</b>

			Class	Loh	Clinical	Work Fr	Page   24
MTH 210	A druge and Cir:	lla of Massage		<u>Lab</u>	<u>Clinicai</u>	WOIK EX	p <u>Crean</u>
MTH-210	Advanced Ski	lis of Massage	4 MTH 101.	9	3	0	8
	State Prerequi	sites: Take MTH-120 or	M1H-121;				
	Corequisites:	None					
	Description:	This course provides kr in a variety of clinical s such as Neuromuscular Approaches, Oriental T students should be able	nowledge and ettings. Emp Therapy, Spo herapies, and to perform ba	skills bhasis i orts Ma energy asic ski	in diverse s placed on assage, Son y techniqu ills in tech	body worl n selected ft Tissue F es. Upon niques cov	k modalities techniques Release, Spa completion, vered.
Cours	e Restriction:	Enrollment in the The	rapeutic Ma	ssage I	Degree Pr	ogram is 1	required.
		bac	<u>k to top</u>				
			Class	<u>Lab</u>	<u>Clinical</u>	Work Ex	<u>p</u> <u>Credit</u>
MTH-220	Outcome-Base	ed Massage	4	6	3	0	7
	State Prerequi	sites: Take MTH-120, M	ITH-121 or M	1TH-22	21;		
	Corequisites:	None					
	Description:	This course provides kn modalities in a variety of advanced skills in outco should be able to perfor	nowledge and of clinical set ome-based M rm basic skill	skills tings. 1 assage. s in tec	in more co Emphasis . Upon co hniques co	omplex boomplex boomplex boomplex boomplex of a second sec	dy works on developin students
Cours	e Restriction:	Enrollment in the The	rapeutic Ma	ssage I	Degree Pr	ogram is 1	required.
		bac	<u>k to top</u>				
	Т	RANSPORATION	TECHNO	LOGY	Y (TRN)		
			Class	Lab	Clinical	Work Ex	n Credit
TRN-110	Intro to Trans	port Tech	1	2	0	0	2
	Prerequisites:	None	-	-	Ū	Ũ	-
	Corequisites:	None					
	Description:	This course covers work regulations, hand tools, and common transporta familiarization with ma	kplace safety service infor tion industry	, hazaro mation termin	dous mater , basic cor ology. Top	rials, envir ncepts, veh pics incluc	ronmental nicle systems le

Description: This course covers workplace safety, hazardous materials, environmental regulations, hand tools, service information, basic concepts, vehicle systems, and common transportation industry terminology. Topics include familiarization with major vehicle systems, proper use of various hand and power tools, material safety data sheets, and personal protective equipment. Upon completion, students should be able to demonstrate appropriate safety procedures, identify and use basic shop tools, and describe government regulations regarding transportation repair facilities.

Competencies

Student Learning Outcomes

- 1. Demonstrate work place safety and hazardous waste disposal per OSHA and EPA guidelines that apply to relevant transportation industry work.
- 2. Given a vehicle or piece of equipment, students will be able to identify it and locate relevant service information in one or more industry-standard databases.
- 3. Demonstrate proficiency hoisting transportation vehicles through use of lifts and floor jacks.
- 4. Complete service repair orders with appropriate information: customer contact information; VIN; cause, concern, correction.
- 5. Identify and communicate about basic systems and terms associated with the transportation industry.
- 6. Distinguish between different transportation systems terms and components either on a written exercise or in a lab environment.
- 7. Demonstrate proper use and care of related transportation industry tools and equipment.
- 8. Correctly identify or describe government regulations associated with the transportation industry.

### back to top

		<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	Credit
ΓRN-120	Basic Transp Electricity	4	3	0	0	5

Prerequisites: None

Corequisites: None

Description: This course covers basic electrical theory, wiring diagrams, test equipment, and diagnosis, repair and replacement of batteries, starters, and alternators. Topics include Ohm's Law, circuit construction, wiring diagrams, circuit testing, and basic troubleshooting. Upon completion, students should be able to properly use wiring diagrams, diagnose, test, and repair basic wiring, battery, starting, charging, and electrical concerns.

Competencies

Student Learning Outcomes

- 1. Demonstrate work place safety related to transportation electrical systems.
- 2. Interpret and apply wiring diagram information on a transportation vehicle electrical system
- 3. Demonstrate the proper use of electrical diagnostic test equipment.
- 4. Use Ohm's law to calculate the value of any of the following given the values of the remaining variables:
  - Voltage (V)
  - Resistance (R)
  - Amperage (A)

- 5. Given a transportation vehicle with a fault in the battery, starting, and charging system, students will be able to perform successful diagnosis and repairs.
- 6. Demonstrate the ability to obtain appropriate service information on electrical circuit construction.

### back to top

Clinical Work Exp Credit Class Lab 1 2 TRN-140 Trans Climate Control 0 0 2 Prerequisites: None Corequisites: None This course covers the theory of refrigeration and heating, Description: electrical/electronic/pneumatic controls, and diagnosis and repair of climate control systems. Topics include diagnosis and repair of climate control components and systems, recovery/recycling of refrigerants, and safety and environmental regulations. Upon completion, students should be able to diagnose and repair vehicle climate control systems.

Competencies

Student Learning Outcomes

- 1. In a lab setting, demonstrate work place safety per OSHA and EPA guidelines that apply to relevant climate control systems found on transportation vehicles and equipment.
- 2. Given a transportation vehicle or related equipment with a fault to the climate control system, diagnose and repair the climate control system using the recommended lab equipment as outlined by the related service information.
- 3. Using the recommended equipment as outlined by the EPA, identify and perform the proper recovery and recycling procedures for any refrigerant in a transportation vehicle or related equipment.
- 4. Describe the operation of the heating, ventilation and air condition systems
- 5. Describe the use of climate control testing equipment to aid diagnosis of the systems.
- 6. Describe the use of appropriate service information and capacity charts.
- 7. Describe the EPA regulations that govern the proper use of refrigerants in a transportation vehicle or related equipment.

### back to top

	<u>Class</u>	Lab	<u>Clinical</u>	Work Exp	<u>Credit</u>
TRN-140A Trans Climate Control Lab	1	2	0	0	2
Prerequisites: None					

Corequisites: None

Description: This course provides experiences for enhancing student skills in the diagnosis and repair of transportation climate control systems. Emphasis is placed on reclaiming, recovery, recharging, leak detection, climate control components, diagnosis, air conditioning equipment, tools and safety. Upon completion, students should be able to describe the operation, diagnose, and safely service climate control systems using appropriate tools, equipment, and service information.

# Competencies

Student Learning Outcomes

- 1. Given a transportation vehicle or related equipment with a fault in the A/C system, diagnose and repair the system using the recommended lab equipment and service information.
- 2. Utilize proper equipment to identify a given A/C refrigerant type and the purity of the A/C refrigerant for the transportation industry.
- 3. Given a transportation vehicle or equipment with an A/C system, determine the recommended refrigerant oil and capacity levels as prescribed from related service information.

- 4. Given a transportation vehicle or equipment with an A/C system, use the recommended equipment to properly reclaim, recycle, evacuate and recharge the entire refrigerant system.
- 5. Given a Heating Ventilation and Air Conditioning (HVAC) system, properly drain, flush and refill the entire anti-freeze coolant system.
- 6. Given a Heating Ventilation and Air Conditioning (HVAC) system, evaluate the anti-freeze coolant condition and perform a systems test as recommended by service information for a transportation vehicle or equipment.
- 7. Diagnose and repair a transportation vehicle or equipment with a fault in a protection device for the given A/C system.
- 8. Given an A/C system, remove and inspect system components and seals for damage which may cause the system to leak refrigerant.
- 9. Given a faulty climate control system, diagnose temperature control problems.

### back to top

		Class	Lab	Clinical	Work Exp	Credit
TRN-145	Adv Transp Electronics	2	3	0	0	3

Prerequisites: Take TRN-120

Corequisites: None

Description: This course covers advanced transportation electronic systems including programmable logic controllers, on-board data networks, telematics, high voltage systems, navigation, collision avoidance systems and electronic accessories. Topics include interpretation of wiring schematics, reprogramming PLC?s, diagnosing and testing data networks and other electronic concerns. Upon completion, students should be able to reprogram PLC?s, diagnose and test data networks and other electronic concerns, and work safely with high voltage systems.

Competencies

Student Learning Outcomes

- 1. Given a transportation vehicle or related equipment, diagnose and repair a failure in the lighting, gauges, and accessory circuits by using the recommended lab or test equipment as outlined by the related service information.
- 2. Correctly describe the processes involved in electrical system diagnosis on modern transportation vehicles or equipment.
- **3.** Given a transportation vehicle or equipment, diagnose and repair a fault in the controller area network (CAN) system by using the recommended lab or test equipment as outlined by the related service information.
- **4.** In a lab setting, demonstrate the proper use of electrical diagnostic equipment that apply to transportation vehicles and equipment.

- **5.** Given a transportation vehicle or equipment, diagnose and repair a fault in the electronic control system by using the recommended lab or test equipment as outlined by the related service information.
- **6.** Demonstrate appropriate diagnostic procedures for sensors, controllers, and circuits by using the recommended test equipment as outlined by service information.
- 7. Correctly identify or describe complex transportation vehicle systems such as, collision avoidance, high intensity headlamps, navigation, and communication systems.
- 8. Given a transportation vehicle or equipment, replace or reprogram an electronic system controller as outlined by the related service information.

### back to top

ClassLabClinicalWork ExpCreditTRN-170Pc Skills for Transp12002Prerequisites: NonePreseduction12002

Corequisites: None

Description: This course introduces students to personal computer literacy and Internet literacy with an emphasis on the transportation service industry. Topics include service information systems, management systems, computer-based systems, and PC-based diagnostic equipment. Upon completion, students should be able to access information pertaining to transportation technology and perform word processing.

# Competencies

- 1. Given a transportation vehicle or equipment, identify it and locate relevant service information from one or more industry-standard databases.
- 2. Given a transportation vehicle or equipment, analyze and diagnose transportation on board diagnostic management systems using handheld and/or PC based diagnostic equipment.
- 3. Describe and perform basic PC skills used by transportation technicians.
- 4. Demonstrate the proper use of application software such as MS Word.

		<u>Class</u>	Lab	<u>Clinical</u>	Work Exp	<u>Credit</u>
TRN-180	Basic Welding for Transp	1	4	0	0	3
Prerec	uisites: None					
Coreq	uisites: None					
Descri	iption: This course covers the terms and transportation industry with an en health. Topics include safety and equipment, metal identification n	procedure mphasis o precautic nethods, t	es for woon perso on perso onary m cypes of	velding va onal safety neasures, s f welds/joi	rious metals and enviror setup/operation ints, technique	used in the nmental on of MIG ues,

inspection methods, cutting processes and other related issues. Upon completion, students should be able to demonstrate a basic knowledge of welding operations and safety procedures according to industry standard.

Page | 250

Competencies

Student Learning Outcomes

1. Describe and list the proper fundamentals, processes and equipment, materials and metallurgy associated with welding of similar and dissimilar metals in transportation systems and equipment.

2. Identify and describe safety and health practices associated with the welding of similar and dissimilar metals in transportation systems and equipment.

3. In a lab setting, demonstrate the ability to successfully weld similar and dissimilar metals in transportation systems and equipment.

4. Select and list the proper inspection methods associated with the welding of similar and dissimilar metals in transportation systems and equipment.

5. In a lab setting, demonstrate proper setup and operational procedures associated with the welding of similar and dissimilar metals in transportation systems and equipment.

6. Describe and list the cutting techniques used with the various tools and methods associated with transportation systems and equipment.

### back to top

	<u>Class</u>	Lab	<u>Clinical</u>	Work Exp	Credit
TRN-180A Basic Welding for Transp Lab	0	3	0	0	1

Prerequisites: None

Corequisites: Take TRN-180

Description: This course provides a laboratory experience for enhancing student skills in welding and cutting procedures associated with the transportation industry. Emphasis is placed on safety and precautionary measures, setup/operation of MIG equipment, metal identification, welds/joints, techniques, inspection of welds/joints, cutting processes and other related topics. Upon completion, students should be able to demonstrate a basic knowledge of welding operations and safety procedures according to industry standards.

# Competencies

Student Learning Outcomes

1. Perform cutting techniques using the various tools and methods associated with transportation systems and equipment.

2. Interpret and apply welding inspection methods for similar and dissimilar metals in transportation systems and equipment.

3. Demonstrate proper welding techniques on similar and dissimilar metals in transportation systems and equipment.

# back to top

# WEB TECHNOLOGIES (WEB)

			Class	Lab	Clinical	WORK EX	<u>p</u> <u>Credit</u>	
WEB-110	Internet / Web	Fundamentals	2	2	0	0	3	
	Prerequisites:	None						
	Corequisites:	None						
	Description:	This course introduces Wor markup language and servic pages, search engines, FTP, students should be able to d language, and effectively us	ld Wide V es of the and othe eploy a h se and uno	Web Co Interne r relate and-co derstan	onsortium et. Topics d topics. ded websi d the func	(W3C) sta include cr Upon com te created tion of sea	andard reating web pletion, with mark-up arch engines.	)

							Page   252
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Ex	<u>p</u> Credit
WEB-115	Web Markup	and Scripting	2	2	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course introduces Wor side Internet programming include JavaScript, markup standards, and browsers. U develop hand-coded web pa	ld Wide using ind elements pon com ages using	Web Co ustry-es s, styles pletion, g currer	onsortium stablished heets, vali students s nt markup	(W3C) st practices. dation, ac should be standards Work Ex	andard client– Topics cessibility, able to . <u>back to top</u>
WED 120	Intro to Intonno	at Multimadia	<u>Class</u>	<u>Lau</u>			
WEB-120	Intro to Intern	et Multimedia	Z	2	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
		include the design, producti digital video, and digital au create multimedia projects i using industry standard auth	ion and d dio. Upor incorpora noring so	elivery n comp tting gra ftware o	of interact letion, stud aphics, tex or web sta	tive conte dents shou at, video, a ndards. <u>ba</u>	nt, rich media, ald be able to and audio <u>ck to top</u>
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Ex	<u>p</u> Credit
WEB-125	Mobile Web I	Design	2	2	0	0	3
						-	5
	Prerequisites:	None				-	5
	Prerequisites: Corequisites:	None None				-	5
	Prerequisites: Corequisites: Description:	None None This course introduces stud include planning an effectiv Markup Language, CSS3, m and publishing. Upon comp test, and publish Web conte	ents to w ve mobile nultimedi pletion, st ent design	eb desig Web s ia, m-co udents aed for 1	gn for mol ite, indust ommerce, should be mobile dev	bile device ry standar social me able to pla vices. <u>back</u>	es. Topics d Mobile dia, testing an, develop, <u>to top</u>
	Prerequisites: Corequisites: Description:	None None This course introduces stud include planning an effectiv Markup Language, CSS3, m and publishing. Upon comp test, and publish Web conte	ents to w ve mobile nultimedi pletion, st ent design <u>Class</u>	eb desig Web s ia, m-co udents ned for n <u>Lab</u>	gn for mol ite, industr ommerce, should be mobile dev <u>Clinical</u>	bile device ry standar social me able to pla vices. <u>back</u> <u>Work Ex</u>	es. Topics d Mobile dia, testing an, develop, <u>c to top</u> <u>p Credit</u>
WEB-140	Prerequisites: Corequisites: Description: Web Develop:	None None This course introduces stud include planning an effectiv Markup Language, CSS3, m and publishing. Upon comp test, and publish Web conte	ents to w ve mobile nultimedi oletion, st ent design <u>Class</u> 2	eb desig Web si ia, m-co udents ied for i <u>Lab</u> 3	gn for mol ite, indust ommerce, should be mobile dev <u>Clinical</u> 0	bile device ry standar social me able to pla vices. <u>back</u> <u>Work Ex</u> 0	es. Topics d Mobile dia, testing an, develop, <u>ato top</u> <u>p Credit</u> 3
WEB-140	Prerequisites: Corequisites: Description: Web Develop Prerequisites:	None None This course introduces stud include planning an effectiv Markup Language, CSS3, m and publishing. Upon comp test, and publish Web conte	ents to w ve mobile nultimedi oletion, st ent design <u>Class</u> 2	eb desig Web s ia, m-co udents ied for r <u>Lab</u> 3	gn for mol ite, industr ommerce, should be mobile dev <u>Clinical</u> 0	bile device ry standar social me able to pla vices. <u>back</u> <u>Work Ex</u> 0	es. Topics d Mobile dia, testing an, develop, <u>a to top</u> <u>p Credit</u> <u>3</u>
WEB-140	Prerequisites: Corequisites: Description: Web Develop Prerequisites: Corequisites:	None None This course introduces stud include planning an effectiv Markup Language, CSS3, m and publishing. Upon comp test, and publish Web conte ment Tools None None	ents to w ve mobile nultimedi oletion, st ent design <u>Class</u> 2	eb desig Web s ia, m-co udents ied for i <u>Lab</u> 3	gn for mol ite, industr ommerce, should be mobile dev <u>Clinical</u> 0	bile device ry standar social me able to pla vices. <u>back</u> <u>Work Ex</u> 0	es. Topics d Mobile dia, testing an, develop, <u>ato top</u> <u>p Credit</u> <u>3</u>
WEB-140	Prerequisites: Corequisites: Description: Web Develop Prerequisites: Corequisites: Description:	None None This course introduces stud include planning an effectiv Markup Language, CSS3, m and publishing. Upon comp test, and publish Web conte ment Tools None None This course provides an intri include creating websites us Upon completion, students upload files to a web server	ents to w ve mobile nultimedi oletion, st ent design <u>Class</u> 2 2 roduction sing web should be <u>back to t</u>	eb desig Web s ia, m-co udents ied for r <u>Lab</u> 3 to web develop e able to	gn for mol ite, industr ommerce, should be mobile dev <u>Clinical</u> 0 developn pment too o create sn	bile device ry standar social me able to pla vices. <u>back</u> <u>Work Ex</u> 0 nent tools ls and wel nall web s	es. Topics d Mobile dia, testing an, develop, <u>to top</u> <u>p Credit</u> <u>3</u> .Topics o standards. .ites and
							Page   253
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WEB-141	Mobile Interfa	ace Design	2	2	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course covers current d to the design and developme Emphasis is placed on resear practices for effective interfa completion, students should for mobile devices. <u>back to te</u>	esign states the set of use $rch$ and $e ace and u be able to \frac{cp}{p}$	indards er interf evaluati iser exp to desig	and emer faces for n fon of stan perience do gn effectiv	ging appro- nobile dev dard and e esign. Upo e and usab	baches related ices. Emerging on ble interfaces
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>p</u> Credit
WEB-151	Mobile Applic	cation Dev I	2	2	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
		capabilities, industry standar mobile applications using an completion, students should devices. <u>back to top</u>	rds, oper n OS Sof be able t	ating sy tware I to creat	ystems, an Developme e basic ap	d program ent Kit (SI plications	DK). Upon for mobile
			<u>Class</u>	Lab	<u>Clinical</u>	Work Ex	<u>p</u> Credit
WEB-180	Active Server	Pages	2	2	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course introduces active forms processing and other is applications. Upon completi maintain a dynamic website.	e server ssues rel on, stude <u>back to</u>	program lated to ents sho top	nming. To developir ould be abl	opics inclung active w le to create	de HTML veb e and
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>p</u> Credit
WEB-182	PHP Program	ming	2	2	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course introduces stude scripting language PHP. Em required to create dynamic v Upon completion, students s create a dynamic web site us	ents to the phasis is web page should be sing the I	e serve placed s using able to PHP sci	r-side, HT l on progra p PHP scrij p design, c ripting lan	ML-embe amming te pting lang code, test, guage. <u>bac</u>	dded chniques uage features. debug, and <u>k to top</u>

			Class	Lab	<u>Clinical</u>	Work Ex	p <u>Credit</u>
WEB-186	XML Technol	ogy	2	2	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course is designed to i technologies. Topics includ object model (DOM), exter and simple object access pr be able to create a complex	ntroduce le extendi ndible styl rotocol (S XML do	student ble styl lesheet OAP). cument	s to XML e languag language Upon com . <u>back to t</u>	and relate e (XSL) de transforma ppletion, st top	ed internet ocument ation (XSLT) cudents shoul
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	p <u>Credit</u>
WEB-210	Web Design		2	2	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	Ĩ	Topics include customer ex	pectation	s, adva	nced mark	cup langua	ige,
		multimedia technologies, u for the evaluation of web de to employ advanced design functional web sites. <u>back</u>	sability ai esign. Uf techniqu <u>to top</u>	oon con es to cr	ssibility p npletion, s eate high	students sh impact and	iould be able ould highly
		multimedia technologies, u for the evaluation of web do to employ advanced design functional web sites. <u>back</u>	sability ai esign. Uf techniqu to top <u>Class</u>	oon con es to cr <u>Lab</u>	npletion, s eate high	impact and <u>Work Exp</u>	nd technique ould be able d highly <u>p Credit</u>
WEB-213	Internet Mkt &	multimedia technologies, u for the evaluation of web do to employ advanced design functional web sites. <u>back</u>	sability an esign. Up techniqu to top <u>Class</u> 2	oon con es to cr <u>Lab</u> 2	ssibility p npletion, s eate high : <u>Clinical</u> 0	tudents sh impact and <u>Work Ex</u>	nd technique ould be able d highly <u>p Credit</u> 3
WEB-213	Internet Mkt & Prerequisites:	multimedia technologies, u for the evaluation of web do to employ advanced design functional web sites. <u>back</u> & Analytics None	sability an esign. Up techniqu to top <u>Class</u> 2	oon con es to cr <u>Lab</u> 2	npletion, s eate high : <u>Clinical</u> 0	tudents sh impact and <u>Work Ex</u>	nd technique ould be able d highly <u>p Credit</u> 3
WEB-213	Internet Mkt & Prerequisites: Corequisites:	multimedia technologies, u for the evaluation of web do to employ advanced design functional web sites. <u>back</u> & Analytics None None	sability an esign. Up techniqu to top <u>Class</u> 2	oon con es to cr <u>Lab</u> 2	npletion, s eate high: <u>Clinical</u> 0	work Exp	nd technique ould be able d highly <u>p Credit</u> 3
WEB-213	Internet Mkt & Prerequisites: Corequisites: Description:	multimedia technologies, u for the evaluation of web de to employ advanced design functional web sites. <u>back</u> & Analytics None None This course introduces stud Search Engine Marketing ( Engine Optimization (SEO) Marketing (SEM), web ana Upon completion, students SEO optimized websites; an advertising plans. <u>back to te</u>	sability an esign. Up techniqu to top <u>Class</u> 2 2 ents to Se SEM)and ), Pay Per lytics, eye should be nd develo	earch E web ar Click a eable to p strate	ssibility p npletion, s eate high <u>Clinical</u> 0 ngine Opt nalytics. T advertising ing softwa o set up, m egies for o	imization opics inclug (PPC), S opitor and opitor and opitor and monitor and nline mark	ind technique iould be able d highly <u>p Credit</u> 3 (SEO), ude Search Search Engine ail marketing d maintain ceting and
WEB-213	Internet Mkt & Prerequisites: Corequisites: Description:	multimedia technologies, u for the evaluation of web de to employ advanced design functional web sites. <u>back</u> & Analytics None None This course introduces stud Search Engine Marketing ( Engine Optimization (SEO) Marketing (SEM), web ana Upon completion, students SEO optimized websites; an advertising plans. <u>back to te</u>	sability an esign. Up techniqu <u>to top</u> <u>Class</u> 2 2 ents to Se SEM)and ), Pay Per lytics, eye should be nd develo <u>op</u> <u>Class</u>	earch E web ar Click a eable to p strate	ssibility p npletion, s eate high <u>Clinical</u> 0 ngine Opt nalytics. T advertisin, ing softwa o set up, n egies for o <u>Clinical</u>	imization work Exp 0 imization opics inclu g (PPC), S ure and em nonitor and nline mark	a technique ould be able d highly <u>p Credit</u> 3 (SEO), ude Search Search Engin ail marketing d maintain keting and <u>p Credit</u>
WEB-213 WEB-215	Internet Mkt & Prerequisites: Corequisites: Description: Adv Markup a	multimedia technologies, u for the evaluation of web de to employ advanced design functional web sites. <u>back</u> & Analytics None None This course introduces stud Search Engine Marketing ( Engine Optimization (SEO) Marketing (SEM), web ana Upon completion, students SEO optimized websites; an advertising plans. <u>back to te</u>	sability an esign. Up techniqu to top $\underline{Class}$ 2 lents to Se SEM)and ), Pay Per lytics, eye should be nd develo $\underline{Op}$ $\underline{Class}$ 2 2	earch E web ar Click eable to p strate <u>Lab</u> 2	ssibility p npletion, s eate high <u>Clinical</u> 0 ngine Opt nalytics. T advertisin, ing softwa o set up, n egies for o <u>Clinical</u> 0	impact and work Exp 0 imization opics inclu g (PPC), S are and em nonitor and nline mark <u>Work Exp</u> 0	ind technique ould be able d highly <u>p Credit</u> 3 (SEO), ude Search Search Engin ail marketing d maintain keting and <u>p Credit</u> 3
WEB-213 WEB-215	Internet Mkt & Prerequisites: Corequisites: Description: Adv Markup a Prerequisites:	multimedia technologies, u for the evaluation of web de to employ advanced design functional web sites. <u>back</u> & Analytics None None This course introduces stud Search Engine Marketing ( Engine Optimization (SEO) Marketing (SEM), web ana Upon completion, students SEO optimized websites; an advertising plans. <u>back to te</u> and Scripting Take WEB-115	sability an esign. Up techniqu to top <u>Class</u> 2 2 ents to Se SEM)and ), Pay Per lytics, eye should be nd develo op <u>Class</u> 2	earch E web ar Click a eable to p strate Lab 2	ssibility p npletion, s eate high <u>Clinical</u> 0 ngine Opt nalytics. T advertisin, ing softwa o set up, n egies for o <u>Clinical</u> 0	impact and work Exp 0 imization opics inclu g (PPC), S are and em nonitor and nline mark <u>Work Exp</u> 0	ind technique iould be able d highly <u>p Credit</u> 3 (SEO), ude Search Gearch Engina ail marketing d maintain keting and <u>p Credit</u> 3

Description: This course covers advanced programming skills required to design Internet applications. Emphasis is placed on programming techniques required to support Internet applications. Upon completion, students should be able to design, code, debug, and document Internet-based programming solutions to various real-world problems using an appropriate programming language.back to top

			<u>Class</u>	Lab	<u>Clinical</u>	Work Exp	<u>Credit</u>
WEB-230	Implementing	Web Serv	2	2	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course covers website installation, configuration, a services and sites. Upon con manage the web services de standards. <u>back to top</u>	and web administr mpletion, eploymen	server a ation, a studen t lifecy	architectur nd securit ts should cle accord	re. Topics ind y of web serv be able to eff ling to indust	clude vers, čectively ry
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>Credit</u>
WEB-240	Internet Secur	ity	2	2	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course covers security the operating system and th completion, students should operating system level and	issues rei e Internet l be able server lev	lated to t servic to impl vel alert	Internet s e security ement sec ts. <u>back to</u>	ervices. Top mechanisms urity procedu top	ics include . Upon tres for

			Class	Lab	Clinical	Work Ex	<u>ap</u> <u>Credit</u>
WEB-250	Database Driv	ven Websites	2	2	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course introduces of Topics include the use of update and delete) income architecture principles. and develop database du standards.	dynamic (dat of basic datal rporated into Upon compl riven web ap	abase-c base CF web ap etion, st plicatio	lriven) we RUD stater oplications tudents sho ons accordi	bsite deve ments (cre a, as well a ould be ab ing to indu	elopment. eate, read, as in softwar ble to design ustry

			Class	Lab	Clinical	Work Ex	Page   257 p Credit
WEB-251	Mobile Applic	cation Dev II	2	2	0	0	3
	Prerequisites:	Take WEB-151					
	Corequisites:	None					
	Description:	This course covers advanced develop applications for mo OS specific Software Devel and designing interactivity. demonstrate effective progra applications. <u>back to top</u>	d applica bile devi opment l Upon co amming	tions an ces. To Kits (SI mpletic techniq	nd custom pics inclu DK), scrip on, student ues to dev	programm de device ting for fu s should b relop adva	ning to capabilities, nctionality be able to nced mobile
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Ex	p Credit
WEB-260	E-Commerce	Infrastructure	2	2	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	-	commerce via the Internet. T selection, securing transaction publishing of catalogs, docu completion, students should web site. <u>back to top</u>	Topics in ons, use imentatic be able	aclude a and ver on, and to setup	pplication ification o site admir o a workin	and serve of credit can histration. g e-comm	er software ards, Upon erce Internet
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Ex	<u>p</u> Credit
WEB-285	Emerging We	b Technologies	2	2	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course will explore, dis web arena. Emphasis is place relating to the web, providir practical implications of the should be able to articulate in	scuss, and ced on ex ng hands- se emerg issues rel	d resear posure on exp ging fiel lating to	rch emerg to up-and erience, an lds. Upon o these tec	ing techno -coming te nd discuss completio hnologies	logies in the echnologies ion of n, students . <u>back to top</u>
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Ex	<u>p</u> Credit
WEB-287	Web E-Portfo	lio	1	2	0	0	2
	Prerequisites:	None					
	Corequisites:	None					

						]	Page   258
	Description:	This course covers the creat	ion and	organiz	ation of a	web-based	e-portfolio
		that includes a resume, refer	rences, a	nd com	prehensiv	e academic	and work
		samples. Emphasis is placed	d on crea	ting an	e-portfoli	o with solid	design and
		demonstrable content, the p	roductio	n of a r	esume and	l self-promo	tional
		able to present their own do	main wi	th inclu	ded profe	ssional e-no	rtfolio
		elements of resume, sample	work, a	nd relat	ed self-pro	omotional	nuono
		materials. <u>back to top</u>			Ĩ		
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>Credit</u>
WEB-289	Internet Techi	nologies Project	1	4	0	0	3
	Prerequisites:	Take All: CTI-110, CTI-12	20, and C	TS-115	5		
	Corequisites:	None					
	Description:	This course provides an opp technologies project from the minimal instructor support. documentation, installation, completion, students should definition phase through im	oortunity ne design Emphas testing, l be able plementa	to com phase is is pla present to com ation. <u>ba</u>	plete a sig through ir ced on pro- cation, and plete an Ir <u>ack to top</u>	gnificant We nplementati oject definiti training. Uj nternet proje	b on with ion, pon act from the
		WELDING	(WLD	)			
			<u>Class</u>	Lab	Clinical	Work Exp	Credit
WLD-110	Cutting Proce	sses	1	3	0	0	2
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course introduces oxy- include safety, proper equip plasma-arc cutting equipme cutting. Upon completion, s cut metals of varying thickn	fuel and ment set nt with e tudents s less.	plasma up, and emphasi should l	-arc cuttir l operatior is on straig be able to	ng systems. ' n of oxy-fuel ght line, curv oxy-fuel and	Topics l and ve and bevel d plasma-arc
Competence	cies						
Student Le	arning Outcom	es					
1. Identify	y the parts and t	functions of an oxy-acetylene	e cutting	torch			
2. Identify	y the parts and t	functions of various cutting e	quipmen	ıt.			
3. List the	e safety practice	es of using oxy-fuel, plasma-a	arc, and o	other cu	itting equi	pment.	

- 4. Set-up and adjust cutting equipment.
- 5. Use an oxy-acetylene outfit, plasma cutting equipment, and other equipment to:

Page | 259

- a. Cut a straight marked line on various thickness steel plate.
- b. Cut various shapes out of carbon steel plate.
- c. Cut carbon steel plate to a bevel and pipe.

## back to top

Class Lab Clinical Work Exp Credit 1 3 0 WLD-112 Cutting Processes 0 2 Prerequisites: None Corequisites: None This course introduces basic welding and cutting. Emphasis is placed on Description: beads applied with gases, mild steel fillers, and electrodes and the capillary action of solder. Upon completion, students should be able to set up welding and oxy-fuel equipment and perform welding, brazing, and soldering processes. back to top Clinical Work Exp Credit Class Lab 2 9 0 0 5 WLD-115 SMAW (Stick) Plate Prerequisites: None Corequisites: None Description: This course introduces the shielded metal arc (stick) welding process. Emphasis is placed on padding, fillet, and groove welds in various positions with SMAW electrodes. Upon completion, students should be able to perform SMAW fillet and groove welds on carbon plate with prescribed electrodes..

Competencies

Student Learning Outcomes

- 1. Demonstrate SMAW electrode classification in compliance with AWS codes.
- 2. Perform a groove weld according to AWS D1.1.
- 3. Demonstrate safe and proper SMAW equipment setup, operation, and shut-down practices in accordance to manufacturer's recommendations.

							Page   20
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>o</u> Credit
WLD-116	SMAW (stick	) Plate/Pipe	1	9	0	0	4
	Prerequisites:	Take WLD-115;					
	Corequisites:	None					
	Description:	This course is designed to a welding process. Emphasis SMAW electrodes on vary should be able to perform a electrodes in the flat, horizo	enhance s is placed ing joint g groove we ontal, ver	kills wi l on adv geometr elds on d tical, ar	th the shie vancing ma cy. Upon c carbon ste nd overhea	elded meta anipulative completion el with pre ad position	l arc (stick) skills with students escribed s.
		back to	top				
			<u>Class</u>	Lab	Clinical	Work Exp	o Credit
WLD-121	GMAW (MIC	b) FCAW/Plate	2	6	0	0	4
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course introduces met processes. Topics include e emphasis on application of plate. Upon completion, stu carbon steel with prescriber positions.	al arc wel equipment GMAW idents sho d electroc	lding ar t setup a and FC buld be les in th	nd flux con and fillet a AW electr able to pe ne flat, hor	re arc weld and groove codes on ca rform fille izontal, an	ing welds with arbon steel t welds on d overhead
Competenc	vies						
Student Lea	arning Outcom	28					
1 Demon	strate the use of	f GMAW electrode classific	ation in c	omnlia	nce with A	WS code	for the

- selection of electrodes.2. Demonstrate the use of FCAW electrode classification in compliance with AWS code for the
- 3. Perform a Fillet weld in accordance with AWS code.

selection of electrodes.

- 4. Perform a groove weld in accordance with AWS code.
- 5. Demonstrate safe and proper GMAW equipment setup, operation, and shut-down practices in accordance to manufacturer's recommendations.

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			Class	Lab	Clinical	Work Ex	p <u>Credit</u>
WLD-122	GMAW (MIC	b) Plate/Pipe	1	6	0	0	3
	Prerequisites:	Take WLD-121;					
	Corequisites:	None					
	Description:	This course is designed to welding process. Emphas process making groove w positions. Upon completion with prescribed electrodes	o enhance s is is placed elds on car on, students s on variou	kills wi on adv bon ste s should s joint g	th the gas ancing sk el plate an d be able t geometry.	metal arc ills with th d pipe in v o perform	(MIG) he GMAW various groove weld
		back t	to top				
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>p</u> Credit
WLD-131	GTAW (TIG)	Plate	2	6	0	0	4
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course introduces the include correct selection of emphasis placed on safety completion, students show welds with various electro	e gas tungs of tungsten y, equipmen ild be able odes and fil	ten arc , polari nt setup to perfo ller mat	(TIG) wel ty, gas, an o, and weld orm GTAV cerials.	ding proce d proper fi ding techni W fillet and	ess. Topics iller rod with iques. Upon d groove
Competence	cies						
Student Le	arning Outcom	es					
1. Demon electroo	strate the use o des.	f GTAW electrode classifie	cation in co	ompliar	ice with A	WS for the	e selection o
2. Perform	n a groove weld	l in accordance with AWS	code.				
3. Perform	n a Fillet weld i	n accordance with AWS c	ode.				

4. Demonstrate safe equipment setup, operation, and shut-down practices according to manufacturer's recommendations.

							Page   2
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Ex	<u>p</u> <u>Credit</u>
WLD-132	GTAW (TIG)	Plate/Pipe	1	6	0	0	3
	Prerequisites:	Take WLD-131;					
	Corequisites:	None					
	Description:	This course is designed to welding process. Topics in selection with emphasis on plate and pipe. Upon comp welds with prescribed electing geometry.	enhance s clude setu manipula letion, stu trodes and	kills wi 1p, joint ative sk 1dents s 1 filler r	th the gas preparation ills in all with hould be a materials of	tungsten on, and el welding po able to per on various	arc (TIG) ectrode ositions on form GTAV joint
		back to	top				
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Ex	<u>p</u> Credit
WLD-141	Symbols & Sp	pecifications	2	2	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course introduces the Emphasis is placed on inter- specifications. Upon comp symbols and specifications	basic sym rpretation letion, stu common	bols an of line dents sl ly used	d specific s, notes, w hould be a in weldin	ations use velding sy ible to rea g.	ed in welding mbols, and d and interpr
Competenc	eies						
Student Lea	arning Outcom	28					
1. Identify	and read weld	ing symbols.					
2. Identify	and explain va	arious lines, notes, and speci	fications	on a blu	ueprint.		
3. Identify	the different ty	ypes of lines on a blueprint.					
4. Interpre	et destructive te	sting symbols and their met	hods.				

- 5. Interpret non-destructive testing symbols and their methods.
- 6. Develop a working sketch.
- 7. Create a bill of materials from a blueprint.

			Class	Lab	Clinical	Work Exp	P a g e   263 Credit
WLD-151	Fabrication I		2	6	0	0	4
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course introduces the on safety, measurement, lay the use of fabrication tools be able to perform layout a material handling equipment	basic prin yout techi and equij ctivities a nt.	nciples on niques, oment. and ope	of fabricati cutting, jo Upon com rate variou	ion. Empha ining techn pletion, stud is fabricatio	sis is placed iques, and dents should n and
		back to	top				
			Class	Lab	<u>Clinical</u>	Work Exp	<u>Credit</u>
WLD-215	SMAW (stick	) Pipe	1	9	0	0	4
	Prerequisites:	None					
	Corequisites:	None					
	Description.	Topics include pipe position placed on bead application students should be able to p carbon steel pipe with press	ons, joint g , profile, a perform S cribed ele	geometrand disc MAW	ry, and pre continuitie welds to a in various	paration wi s. Upon cor pplicable co s positions.	th emphasis npletion, odes on
		back to	top				
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>Credit</u>
WLD-262	Inspection & 7	Festing	2	2	0	0	3
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course covers workplaregulations, hand tools, ser and common transportation familiarization with major power tools, material safety Upon completion, students procedures, identify and us	ace safety vice infor n industry vehicle sy y data she should be e basic sh	, hazard mation termin vstems, ets, and e able to toop tool	dous mater , basic con ology. Top proper use d personal o demonst ls, and des	rials, enviro acepts, vehic pics include e of various protective e rate appropri- cribe govern	nmental cle systems, hand and equipment. riate safety nment

P a g e | 264

## WORK – BASED LEARNING (WBL)

			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>Credit</u>
WBL-110	World of Wor	k	1	0	0	0	1
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course covers basic known employment. Topics include expectations, workplace safe students should be able to se work.	owledge r e job sear ety, and r uccessfull	necessa rch skil numan ly mak	ary for gai ls, work er relations. e the trans	ning and mai thic, meeting Upon comple ition from sc	ntaining employer etion, hool to
		back to	<u>top</u>				
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Exp	<u>Credit</u>
WBL-111	Work-Based I	earning I	0	0	0	10	1
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course provides a work approved employer in an are Emphasis is placed on integ experience. Upon completive selection, demonstrate employer related competencies.	<ul> <li>k – based</li> <li>based</li> <li>based</li> <li>based</li> <li>classing</li> <liclassing< li=""> <li>classing<td>learnin to the assroon nts sho skills,</td><td>ng experien student's n learning uld be abl and satisf</td><td>nce with a co program of s with related e to evaluate actorily perfo</td><td>llege- tudy. work career orm work-</td></li></liclassing<></ul>	learnin to the assroon nts sho skills,	ng experien student's n learning uld be abl and satisf	nce with a co program of s with related e to evaluate actorily perfo	llege- tudy. work career orm work-
		back to	<u>top</u>				

			<u>Class</u>	Lab	Clinical	Work Ex	<u>p</u> Credit
WBL-112	Work-Based I	earning I	0	0	0	20	2
	Prerequisites:	None					
	Corequisites:	None					
	Description:	This course provides a wor approved employer in an an Emphasis is placed on integ experience. Upon complet selection, demonstrate emp related competencies. <u>back</u>	k – based rea related grating cl ion, stude loyability <u>c to top</u>	l learnin d to the assroon ents sho / skills,	ng experies student's n learning ould be abl and satisf	nce with a program o with relat e to evalu actorily po	a college- of study. aed work ate career erform work
			<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	Work Ex	<u>p</u> Credit
WBL-112A	AB 10		Work 1	-Based	Learning	I O	0 0
	Prerequisites:	None					
	Corequisites:	None					
	Desemption	This course provides a wor			18 emperie		i concge-
		approved employer in an an Emphasis is placed on integ experience. Upon complet selection, demonstrate emp related competencies.	rea related grating cl ion, stude loyability	d to the assroon ents sho / skills,	student's n learning ould be abl and satisf	program of with relat e to evalu actorily po	of study. ed work ate career erform work
		approved employer in an an Emphasis is placed on integ experience. Upon complet selection, demonstrate emp related competencies. <u>back to</u>	rea related grating cl ion, stude loyability top <u>Class</u>	d to the assroon ents sho y skills, Lab	student's n learning ould be abl and satisf	with relat with relat e to evalu factorily po Work Ex	of study. ed work ate career erform work
WBL-112E	3B 10	approved employer in an an Emphasis is placed on integ experience. Upon complet selection, demonstrate emp related competencies. <u>back to</u>	rea related grating cl ion, stude loyability <u>top</u> <u>Class</u> Work 1	d to the assroon ents sho y skills, <u>Lab</u> a-Based	student's n learning ould be abl and satisf <u>Clinical</u> Learning	program of with relat e to evalu factorily po <u>Work Ex</u> I 0	of study. red work ate career erform work <u>p Credit</u> 0 0
WBL-112E	3B 10 Prerequisites:	approved employer in an an Emphasis is placed on integ experience. Upon complet selection, demonstrate emp related competencies. <u>back to</u> None	rea related grating cl ion, stude loyability <u>top</u> <u>Class</u> Work 1	d to the assroon ents sho y skills, <u>Lab</u> z-Based	student's n learning ould be abl and satisf <u>Clinical</u> Learning	program of with relat e to evalu factorily po <u>Work Ex</u> I 0	of study. red work ate career erform work
WBL-112E	3B 10 Prerequisites: Corequisites:	approved employer in an an Emphasis is placed on integ experience. Upon complet selection, demonstrate emp related competencies. <u>back to</u> None None	rea related grating cl ion, stude loyability <u>top</u> <u>Class</u> Work 1	d to the assroon ents sho y skills, <u>Lab</u> z-Based	student's n learning ould be abl and satisf <u>Clinical</u> Learning	program of with relat e to evalu factorily po <u>Work Ex</u> I 0	of study. red work ate career erform work
WBL-112F	3B 10 Prerequisites: Corequisites: Description:	approved employer in an an Emphasis is placed on integer experience. Upon complet selection, demonstrate emprelated competencies.  None None This course provides a wor approved employer in an an Emphasis is placed on integer experience. Upon complet selection, demonstrate emprelated competencies.	rea related grating cl ion, stude loyability <u>top</u> <u>Class</u> Work 1 k – based rea related grating cl ion, stude loyability	d to the assroon ents sho y skills, <u>Lab</u> t-Based l learnin d to the assroon ents sho y skills,	student's n learning ould be abl and satisf <u>Clinical</u> Learning ng experier student's n learning ould be abl and satisf	program of with relat e to evalu actorily po <u>Work Ex</u> I 0 nce with a program of with relat e to evalu actorily po	teollege- of study. aed work ate career erform work <u>p Credit</u> 0 0 a college- of study. ate career erform work
WBL-112F	3B 10 Prerequisites: Corequisites: Description:	approved employer in an an Emphasis is placed on integ experience. Upon complet selection, demonstrate emp related competencies. <u>back to</u> None None This course provides a wor approved employer in an an Emphasis is placed on integ experience. Upon complet selection, demonstrate emp related competencies. <u>back to</u>	rea related grating cl ion, stude loyability <u>top</u> <u>Class</u> Work 1 k – based rea related grating cl ion, stude loyability <u>top</u>	d to the assroon ents sho y skills, <u>Lab</u> t-Based l learnin d to the assroon ents sho y skills,	student's n learning ould be abl and satisf <u>Clinical</u> Learning ng experier student's n learning ould be abl and satisf	program of with relat e to evalu actorily po <u>Work Ex</u> I 0 nce with a program of with relat e to evalu actorily po	ate career of study. ate career erform work <u>p Credit</u> 0 0 a college- of study. ate career erform work
WBL-112F	3B 10 Prerequisites: Corequisites: Description:	approved employer in an an Emphasis is placed on intege experience. Upon complet selection, demonstrate emp related competencies. <u>back to</u> None None This course provides a wor approved employer in an an Emphasis is placed on intege experience. Upon complet selection, demonstrate emp related competencies. <u>back to</u>	rea related grating cl ion, stude loyability <u>top</u> <u>Class</u> Work 1 k – based rea related grating cl ion, stude loyability <u>top</u> <u>Class</u>	d to the assroon ents sho y skills, <u>Lab</u> t-Based l learnin d to the assroon ents sho y skills, <u>Lab</u>	student's n learning ould be abl and satisf <u>Clinical</u> Learning ng experier student's n learning ould be abl and satisf	with relate e to evalu actorily portion <u>Work Ex</u> I 0 nce with a program of with relate e to evalu factorily portion <u>Work Ex</u>	p <u>Credit</u> 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

Prerequisites: None

Corequisites: None

Description: This course provides a work – based learning experience with a collegeapproved employer in an area related to the student's program of study. Emphasis is placed on integrating classroom learning with related work experience. Upon completion, students should be able to evaluate career selection, demonstrate employability skills, and satisfactorily perform workrelated competencies.