

2012
2013
CATALOG



2012-2013 COLLEGE CATALOG

ADDENDUM

PUBLISHED JANUARY 2, 2013

COSUMNES RIVER COLLEGE

2012-2013 College Catalog Addendum

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INTRODUCTION

Beginning in the 2010-2011 College Catalog Year, the Cosumnes River College Curriculum Committee and Academic Senate approved the production of a mid-year College Catalog Addendum. The purpose of the Catalog Addendum is to make corrections of errors in the existing Academic Year Catalog and to add new courses and programs that are approved for offering beginning in the Spring Semester.

CORRECTIONS OF ERROR

P. 11

Remove the 2nd paragraph under the section titled "Child Development Center" on the left-hand side of the page. Replace it with the following information: The Preschool programs serve children 2.5 years through 5 years. The School Age program serves children Kindergarten through 10 years before and after school and during "off track days".

P. 28

Under the Spanish Language AP Exam, SPAN 401 is incorrectly listed twice in the "Course and GE Area" Column. The information should be corrected to read as follows: SPAN 401 (4 units) & SPAN 402 (4 units).

P. 49

Course – TA 306, Add the following course to the Area 4 - Social and Behavioral Sciences section of IGETC list: TA 306

P. 57

The following courses are no longer cross-listed. Remove them from the right hand side of the Cross-Listed Courses page. HEED 360 = KINE 380 Weight Management; KINES 380 = HEED 360 Weight Management.

P. 57

Add the following courses to the Cross-Listed Courses page: ENGRD 19 = ENGWR 42 Foundations of Reading and Writing Improvement; ENGRD 59 Reading Development with Writing = ENGWR 58 Writing Development with Reading.

P. 96

The existing description in the catalog for the Certificate of Proficiency in Automotive Brakes should read as follows: "This curriculum is designed for students interested in seeking employment in the repair and installation of automotive brakes systems".

P. 97

The existing description in the catalog for the Certificate of Proficiency in Automotive Engine Performance should read as follows: "This curriculum is designed for students who are interested in seeking employment in the tune-up and diagnosis field. Students may continue with another automotive certificate of AA without repeating these courses".

PP. 96 & 97

The course titles in the catalog for AMT 303 are listed incorrectly in the Automotive Mechanics Technology programs. They should read as follows: AMT 303 – Automotive Electrical & Electronic Systems.

Programs to be corrected:

- A.A. Degree – Automotive Mechanics Technology (p. 96)
- Certificate of Proficiency – Automotive Brakes (p. 96)
- Certificate of Proficiency – Automotive Electrical Systems (p. 96)
- Certificate of Proficiency – Automotive Heating and Air Conditioning (p. 96)
- Certificate of Proficiency – Small Engine Repair (p. 97)
- Certificate of Proficiency – Automatic Transmissions/Transaxles (p. 97)
- Certificate of Achievement – Automotive Engine Performance (p. 97)
- Certificate of Achievement – Automotive Mechanics Technology (p. 97)
- Certificate of Proficiency – Automotive Suspension and Steering (p. 97)
- Certificate of Proficiency – Automotive Emission Control (p. 97)

P. 146

Course – CISS 310 Network Security Fundamentals, Remove CISN 304 from the prerequisite section of CISS 310. The sentence will now read: *Prerequisite: CISN 330 with a "C" or better*.

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P. 187

Course – ENGCW 480, Remove “UC” from the course transferability section of ENGCW 480. The sentence will now read: “Course Transferable to CSU”.

P. 230

Course – HONOR 364, Add “UC” to the course transferability section of HONOR 364. The sentence will now read: “Course Transferable to UC/CSU”.

P. 246

Course – HUM 332, Add “UC” to the course transferability section of HUM 332. The sentence will now read: “Course Transferable to UC/CSU”.

P. 250

The number of units for JOUR 400 within the A.A. Degree’s required programs is listed incorrectly as 4-61 units. Remove the current units and replace them with the following correct information:
JOUR 400 College Newspaper Production 4-61

P. 254

Remove PET as a designator for courses in the required program for the Certificate of Proficiency in Coaching (Code #1538) and replace it with the KINES designator.

P. 276

Course – MATH 300, Add “UC” to the course transferability section of MATH 300. The sentence will now read: “Course Transferable to UC/CSU”.

P. 281

Add the following enrollment eligibility and enrollment process information in front of the required program for the A.S. Degree in Medical Assisting:

DEGREE**A.S. – Medical Assisting**

CODE #1184

Enrollment Eligibility:

To be eligible for enrollment in the program, the student must meet the following criteria:

- Completion of the following pre-requisite courses with a C or better:
- AH 110 – Medical Language
- BIOL 102 – Essentials of Human Anatomy and Physiology (BIOL 100 or 430 & 431 are acceptable)
- CISC 302 – Computer Familiarization
- ENGWR 101 – or eligibility for ENGWR 300 as determined by assessment testing
- MEDA 100 – Introduction to Medical Assisting

Enrollment Process:

Eligible students are selected for the program according to the following steps:

- Only students who meet the pre-enrollment requirements will be considered for the program.
- Selection will be based on a random selection process, should the number of qualified applicants exceed available spaces in the program.
- Accepted applicants will be notified by the Program Director by July 1.
- Students will be required to perform a background and drug clearance screening. Students will also be required to show proof of vaccination or immunity to the following: Measles, rubella, rubeola, varicella, TDaP, and possibly influenza. Placement in a clinical location will be contingent upon the results of this screening.

P. 281

Add the following enrollment eligibility and enrollment process information in front of the required program for the Certificate of Achievement in Medical Assisting:

CERTIFICATE OF ACHIEVEMENT**Medical Assisting**

CODE #1184

Enrollment Eligibility:

To be eligible for enrollment in the program, the student must meet the following criteria:

- Completion of the following pre-requisite courses with a C or better:
- AH 110 – Medical Language
- BIOL 102 – Essentials of Human Anatomy and Physiology (BIOL 100 or 430 & 431 are acceptable)
- CISC 302 – Computer Familiarization
- ENGWR 101 – or eligibility for ENGWR 300 as determined by assessment testing
- MEDA 100 – Introduction to Medical Assisting

Enrollment Process:

Eligible students are selected for the program according to the following steps:

- Only students who meet the pre-enrollment requirements will be considered for the program.
- Selection will be based on a random selection process, should the number of qualified applicants exceed available spaces in the program.
- Accepted applicants will be notified by the Program Director by July 1.
- Students will be required to perform a background and drug clearance screening. Students will also be required to show proof of vaccination or immunity to the following: Measles, rubella, rubeola, varicella, TDaP, and possibly influenza. Placement in a clinical location will be contingent upon the results of this screening.

P. 284

Replace the misspelled word “Findementals” on the right-hand side of page 284 with the correctly spelled word: “Fundamentals”.

P. 291

Course – NUTRI 350, Community Nutrition: Remove NUTRI 351 from the corequisite section of the course.

P. 291

Course – NUTRI 356, Preparation for a Career in Dietetics: Remove NUTRI 351 from the corequisite section of the course.

PP. 120; 180; 206; 212; 273; 305; 329

The Science, Math and Engineering Division Office is not LRC-121, it is SCI-501.

P. 338

Course – SPAN 413, Add “UC” to the course transferability section of SPAN 413. The sentence will now read: “Course Transferable to UC/CSU”.

P. 344

Course – TA 340, Add “UC” to the course transferability section of TA 340. The sentence will now read: “Course Transferable to UC/CSU”.

P. 345

Course – TA 356, Add “UC” to the course transferability section of TA 356. The sentence will now read: “Course Transferable to UC/CSU”.

NEW COURSES**ARTH 307
Italian Renaissance Art****3 Units***Prerequisite: None.**Advisory: ENGWR 301 or 302**Hours: 54 hours LEC*

This course introduces the visual arts and architecture of Italy in the Renaissance, from duecento (13th century) through cinquecento (16th century). Topics include the relationship between the visual arts and culture and artists and their works from the periods and styles known as the Proto-Renaissance, Renaissance, High Renaissance, and Mannerism. Relationships between Italy and other cultures, including New World civilizations, are also made.

**BIT 101
Introduction to the
International Residential Code****3 Units***Prerequisite: None.**Hours: 54 hours LEC*

This basic course is designed to provide a thorough understanding of residential construction requirements for building plan review and inspection. The course will cover the portions of the International Residential Code that have been adopted by the State of California. Emphasis will be placed on the development and proper use of the code.

**CHEM 309
Integrated General, Organic, and
Biological Chemistry****5 Units***Prerequisite: MATH 100 or 102 with a grade of "C" or better; or equivalent skills demonstrated through the assessment process.**Advisory: ENGWR 101; or equivalent skills demonstrated through the assessment process; Successful completion of high school Chemistry.**Hours: 72 hours LEC; 54 hours LAB*

This course is an intensive survey of general, organic, and biological chemistry specifically designed for nursing majors and other health-related fields. Topics include general chemistry, organic chemistry, and biological chemistry. This course satisfies the requirements of those health-career programs that require one semester of chemistry. Students who had chemistry in high school and retained some of it are advised to take CHEM 309. Students who have not taken a chemistry course recently or have never taken a chemistry course are advised to take the CHEM 305 and CHEM 306 sequence.

**ENGRD 19
Foundations of Reading and
Writing Improvement****3 Units***Same As: ENGWR 42**Prerequisite: Enrollment in the course will be limited by skills of students in reading and writing as demonstrated through the assessment process.**Hours: 54 hours LEC*

This course integrates and accelerates reading and writing at the basic skills level with a focus on learning to use language to learn. Course content, activities, and assignments integrate reading and writing for an academic purpose. Reading and writing are instructed and contextualized through a focus on a variety of fiction and non-fiction texts, and through the discussion of the meaning of a college education (including a focus on student services, academic programs, and campus events). Successful completion of this course will serve as a prerequisite for ENGRD 59/ENGWR 58 at Cosumnes River College. Placement in the course will be through the college assessment process; self-placement will not be allowed. This course is the same as ENGWR 42, and only one may be taken for credit. See new cross-listed courses on p. 1 of this Addendum (correction for p. 57 of 2012-13 Catalog).

**ENGRD 59
Reading Development with Writing****4 Units***Same As: ENGWR 58**Prerequisites: ENGRD 19 or ENGWR 42 with a grade of "C" or better; or equivalent skills demonstrated through the assessment process.**Hours: 72 hours LEC*

The focus of this course will be on writing and reading instruction as integrally related skills. Students will study and practice reading comprehension in the context of the writing process with the goal of accelerating the pathway to the English Reading and English Writing requirements. Students will develop critical thinking skills and the ability to write clear and correct sentences as they write a variety of focused, developed, organized paragraphs and essays. Students will write both full-process and in-class essays. This course may include a departmental final or portfolio assessment. Successful completion of this course will serve as a prerequisite for ENGWR 101 and ENGRD 110 only at Cosumnes River College. As enrollment into course will be based upon prerequisite, there will be no self-placement. This course is the same as ENGWR 58, and only one may be taken for credit. See new cross-listed courses on p. 1 of this Addendum (correction for p. 57 of 2012-13 Catalog).

**ENGWR 42
Foundations of Reading and
Writing Improvement****3 Units***Same As: ENGRD 19**Prerequisite: Enrollment in the course will be limited by skills of students in reading and writing as demonstrated through the assessment process.**Hours: 54 hours LEC*

This course integrates and accelerates reading and writing at the basic skills level with a focus on learning to use language to learn. Course content, activities, and assignments integrate reading and writing for an academic purpose. Reading and writing are instructed and contextualized through a focus on a variety of fiction and non-fiction texts, and through the discussion of the meaning of a college education (including a focus on student services, academic programs, and campus events). Successful completion of this course will serve as a prerequisite for ENGRD 59/ENGWR 58 at Cosumnes River College. Placement in the course will be through the college assessment process; self-placement will not be allowed. This course is the same as ENGRD 19, and only one may be taken for credit. See new cross-listed courses on p. 1 of this Addendum (correction for p. 57 of 2012-13 Catalog).

ENGWR 58 Writing Development with Reading 4 Units

Same As: ENGRD 59

Prerequisite: ENGRD 19 or ENGWR 42 with a grade of "C" or better; or equivalent skills demonstrated through the assessment process.

Hours: 72 hours LEC

The focus of this course will be on writing and reading instruction as integrally related skills. Students will study and practice reading comprehension in the context of the writing process with the goal of accelerating the pathway to the English Reading and English Writing requirements. Students will develop critical thinking skills and the ability to write clear and correct sentences as they write a variety of focused, developed, organized paragraphs and essays. Students will write both full-process and in-class essays. This course may include a departmental final or portfolio assessment. Successful completion of this course will serve as a prerequisite for ENGWR 101 and ENGRD 110 only at Cosumnes River College. As enrollment into course will be based upon prerequisite, there will be no self-placement. This course is the same as ENGRD 59, and only one may be taken for credit. See new cross-listed courses on p. 1 of this Addendum (correction for p. 57 of 2012-13 Catalog).

ESL 325 Advanced-Low Integrated Reading and Writing 6 Units

Prerequisite: ESLR 310 and ESLW 310 with grades of "C" or better; or equivalent skills demonstrated through the assessment process.

Hours: 108 hours LEC

This course integrates the reading and writing skills English language learners need to succeed in college-level courses. Students focus on refining academic reading skills with an emphasis on speed, vocabulary development, and analytical comprehension. Students will practice research and synthesizing skills and do extensive writing based on critical analysis of readings. Students will analyze and employ techniques throughout the writing process to produce a variety of well-focused, fully developed and organized essays. The course also emphasizes competent sentence variety and mastering the mechanics of English in the context of the essay. Essays will incorporate outside sources as well as personal experience.

FITNS 441 Swimming II 1 Unit

Prerequisite: None.

Hours: 54 hours LAB

This course is designed for non-swimmers or those returning to swimming after a long absence. Topics include basic water adjustment skills, floats, glides, basic freestyle and backstroke. It is appropriate for those afraid or not comfortable in deep water or those unable to correctly or continuously swim 25 meters without stopping. Instruction will be given in the physical and psychological adjustment to water.

POLS 304 Introduction to Government: California 3 Units

Prerequisite: None.

Advisory: ENGWR 300

Hours: 54 hours LEC

This course covers the essential organization, institutions, and processes of California state and local government. It fulfills the California State University requirement for state and local government, but not the requirement for the U.S. Constitution.

PSYC 371 Life Span Developmental Psychology 3 Units

Prerequisite: None.

Hours: 54 hours LEC

This course examines psychological development across the lifespan, from conception to death. The course will focus on neurological, cognitive, cultural, and socio-emotional domains of developmental psychology, as well as the interaction among these domains. The course will provide a theoretical background based on empirical studies in the area of developmental psychology and other related disciplines. This course is designed to provide a foundation for careers in educational, social, psychological, and medical fields as well as provide students with a better understanding of one's own developmental process.

SPORT 313 Off Season Conditioning for Basketball 1-3 Units

Prerequisite: None.

Enrollment Limitation: Once enrolled, the student must demonstrate intercollegiate athletic skills as determined by the coaching staff to remain enrolled in this course.

Hours: 54-162 hours LAB

This course is designed to prepare the collegiate basketball player for the competitive season and reduce risk of injury. Course content will include: collegiate level basketball-specific skill development, a solid aerobic conditioning plan, sport specific strength training, agility work, plyometrics, speed training and flexibility exercises as well as team play combination of activities designed to prepare the athlete both physically and mentally. This course is designed to prepare students for intercollegiate basketball competition and may be repeated to meet requirements for CCCAA eligibility.

WELD 136 Gas Tungsten Arc Welding Process 2.5 Units

Prerequisite: WELD 100 with a grade of "C" or better

Hours: 27 hours LEC; 54 hours LAB

WELD 136 covers The Gas Tungsten Arc Welding (GTAW) process of carbon steel, stainless steel, Aluminum and other alloys used in the welding industry. Welding technique, operator certification and welding procedure qualification standards will be emphasized throughout the course.

NEW PROGRAMS

DEGREE

A.S. – Building Information Modeling (BIM)

Code# 1973

This Degree program provides students with a background in Computer-Aided Drafting & Design (CADD) and Building Information Modeling (BIM) for application to the architectural building space and design of buildings, interior space analysis and design to facilitate selection of materials & products promoting energy conservation, ecologically sustainable building space and building design using Green Building/LEED point principles.

REQUIRED PROGRAM.....	UNITS
ADT 300 Architectural Sketching and Modeling I.....	3
ADT 302 Architectural Sketching and Modeling II.....	3
ADT 310 Architectural Computer-Aided Drawing I.....	3
ADT 312 Architectural Computer Aided Drawing II.....	3
ADT 314 Architectural 3D Modeling.....	3
ADT 316 Building Information Modeling (BIM) I.....	3
ADT 317 Building Information Modeling (BIM) III.....	3
ADT 318 Building Information Modeling (BIM) II.....	3
ADT 319 Building Information Modeling (BIM) IV.....	3
ADT 498 Work Experience in Architecture Design Technology	1-4
TOTAL UNITS REQUIRED	28-31

Associate in Science Degree

The Building Information Modeling (BIM) Associate in Science (A.S.) degree may be obtained by completion of the required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See CRC graduation requirements.

CERTIFICATE OF ACHIEVEMENT

Building Information Modeling (BIM)

Code# 1973

This Certificate program provides students with a background in Computer-Aided Drafting & Design (CADD) and Building Information Modeling (BIM) for application to the architectural building space and design of buildings, interior space analysis and design to facilitate selection of materials & products promoting energy conservation, ecologically sustainable building space and building design using Green Building/LEED point principles.

REQUIRED PROGRAM.....	UNITS
ADT 300 Architectural Sketching and Modeling I.....	3
ADT 302 Architectural Sketching and Modeling II.....	3
ADT 310 Architectural Computer-Aided Drawing I.....	3
ADT 314 Architectural 3D Modeling.....	3
ADT 316 Building Information Modeling (BIM) I.....	3
ADT 318 Building Information Modeling (BIM) II.....	3
ADT 498 Work Experience in Architecture Design Technology	1-4
TOTAL UNITS REQUIRED	19-22

DEGREE

AS-T – Business Administration for Transfer

Code # 1976

The Associate in Science in Business Administration for Transfer Degree prepares students for graduation from Cosumnes River College as well as transfer to a four-year university. It is designed to meet common lower division requirements for a major in business administration at most California State University (CSU) campuses. Students with this degree will receive priority admission with junior status to the CSU System, although not necessarily to a particular campus or major. Courses required for the degree provide students with a practical as well as theoretical foundation in the discipline. Although satisfactory completion of the CRC Associate in Science in Business Administration for Transfer (AS-T) degree provides a solid foundation and satisfies the standard prerequisites for upper division coursework for business administration majors at most CSU and other four-year universities, it is highly recommended that students meet with a counselor since major and general education requirements vary for each transfer university.

Note to Transfer Students:

The Business Administration AS-T degree is designed for students who plan to transfer to a campus of the California State University (CSU). Other than the required core, the courses you choose to complete this degree will depend to some extent on the selected CSU for transfer. In addition, some CSU-GE Breadth or IGETC requirements can also be completed using courses required for this associate degree for transfer major (known as "double-counting"). Meeting with a counselor to determine the most appropriate course choices will facilitate efficient completion of your transfer requirements. For students wishing to transfer to other universities (UC System, private, or out-of-state), the Associate Degree for Transfer may not provide adequate preparation for upper-division transfer admissions; it is critical that you meet with a CRC counselor to select and plan the courses for the major, as programs vary widely in terms of the required preparation.

REQUIRED PROGRAM.....	UNITS
ACCT 301 Financial Accounting.....	4
ACCT 311 Managerial Accounting	4
ECON 304* Principles of Microeconomics.....	3
ECON 302* Principles of Macroeconomics.....	3
BUS 340 Business Law	3
One of the following two courses:	3
BUS 300 Introduction to Business (3 units)	
BUS 310 Business Communications (3 units)	
One of the following four courses:	3-4
MATH 341* Calculus for Business (4 units)	
MATH 343* Modern Business Mathematics (4 units)	
MATH 344* Finite Mathematics (3 units)	
STAT 300* Introduction to Probability & Statistics (4 units)	
A minimum of 3 units from the following:	3-4¹
CISC 310 Introduction to Computer Information Science (3)	
CISA 305 Beginning Word Processing (2)	
CISA 308 Exploring Word Processing & Presentation Software (1)	
CISA 315 Introduction to Electronic Spreadsheets (2)	
CISA 318 Exploring Spreadsheet Software (1)	
CISA 340 Presentation Graphics (2)	
CISC 308 Exploring Computer Environments and the Internet (1)	
Total Units Required.....	26-28

- continued on next page -

General Education (GE) Pattern/Units		Other Transfer Electives	Degree Total
CSU GE Breadth:	39**	1-5	60
IGETC:	37**	3-6	60

¹ Students may also select one of the following courses if not already used: MATH 341, MATH 343, MATH 344 or STAT 300.

* These courses can double-count for the major and for the appropriate GE area of the CSU GE Breadth and/or IGETC requirements, however there is a limitation on the number that actually can. For this degree, students can double-count 6-7 major units to meet a transfer GE.

** Includes double-counting of 6-7 major units for GE.

Associate in Science for Transfer Degree

The Associate in Science in Business Administration for Transfer (AS-T) degree may be obtained by completion of 60 transferable, semester units with a minimum 2.0 GPA, including (a) the major or area of emphasis described in the Required Program, and (b) either the Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirements.

DEGREE

AA-T – Theatre Arts for Transfer

Code # 1977

This Associate in Arts in Theatre Arts for Transfer Degree has been aligned with the Transfer Model Curriculum (TMC) for Theatre Arts. Students who select this degree as their program of study will be prepared to transfer to a baccalaureate degree program at the California State University. In addition, CRC faculty members have developed eight program level Student Learning Outcomes/Objectives (P-SLOs) for this proposed program.

Note to Transfer Students:

The Associate Degree for Transfer program is designed for students who plan to transfer to a campus of the California State University (CSU). Other than the required core, the courses you choose to complete this degree will depend to some extent on the selected CSU for transfer. In addition, some CSU-GE Breadth or IGETC requirements can also be completed using courses required for this associate degree for transfer major (known as “double-counting”). Meeting with a counselor to determine the most appropriate course choices will facilitate efficient completion of your transfer requirements. For students wishing to transfer to other universities (UC System, private, or out-of-state), the Associate Degree for Transfer may not provide adequate preparation for upper-division transfer admissions; it is critical that you meet with a CRC counselor to select and plan the courses for the major, as programs vary widely in terms of the required preparation.

REQUIRED PROGRAM.....	UNITS
TA 302* History and Theory of the Theatre I.....	3
TA 350* Theory and Techniques of Acting I.....	3
TA 460* Rehearsal and Performance (0.5-3) ¹	3
A minimum of nine units from the following¹:	9
TA 351 Theory and Techniques of Acting II (3)	
TA 420 Stagecraft (3)	
TA 422 Stage Lighting (3)	
TA 430 Costume Construction (3)	
TOTAL UNITS REQUIRED	18

General Education (GE) Pattern/Units		Other Transfer Electives	Degree Total
CSU GE Breadth:	39**	6	60
IGETC:	37**	8	60

¹ Students must complete a total of 3.0 units of TA 460, but they need not all be completed during the same semester

* These courses can double-count for the major and for the appropriate GE area of the CSU GE Breadth and/or IGETC requirements, however there is a limitation on the number that actually can. For this degree, students can double-count 3 major units to meet a transfer GE.

** Includes double-counting of 3 major units for GE.

Associate in Science for Transfer Degree

The Associate in Arts in Theatre Arts AA-T for Transfer (AA-T) degree may be obtained by completion of 60 transferable, semester units with a minimum 2.0 GPA, including (a) the major or area of emphasis described in the Required Program, and (b) either the Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirements.

CERTIFICATE OF PROFICIENCY

Welding Code Specialist Certificate

Code # 1974

The Welding Code Certificate specializes in current welding code regulations, procedures and qualification criteria to meet the demands of the welding industry.

REQUIRED PROGRAM.....	UNITS
WELD 100 Introduction to Welding.....	3
WELD 110 Advanced SMAW and Semi-Automatic Process.....	4
WELD 120 Welding Inspection and Certification.....	5
TOTAL UNITS REQUIRED	12

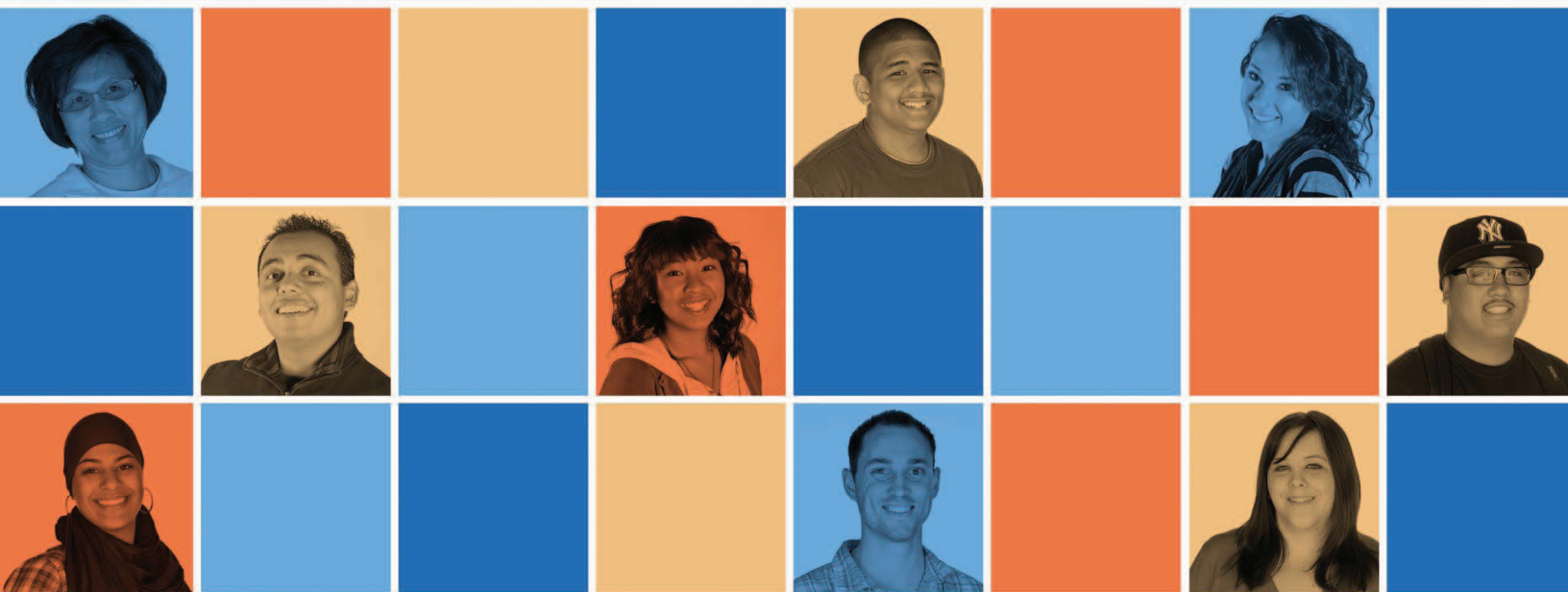
CERTIFICATE OF PROFICIENCY

Welding Fabricator Specialist Certificate

Code # 1975

The Welding Fabricator Specialist Certificate specializes is up to date welding code regulations, fabrication procedures with the Gas Metal Arc Welding Process and the Gas Tungsten Arc Welding Process. Students will have the opportunity to meet or exceed industry standards for welder qualification criteria in-order to meet the current demands of the welding industry.

REQUIRED PROGRAM.....	UNITS
WELD 100 Introduction to Welding.....	3
WELD 135 Introduction to the Gas Metal Arc Welding Process .	1.5
WELD 136 Gas Tungsten Arc Welding Process.....	2.5
WELD 290 Advanced Student Projects.....	2
TOTAL UNITS REQUIRED	9



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