

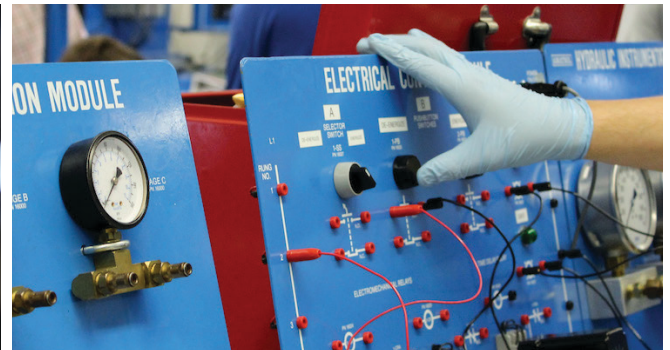
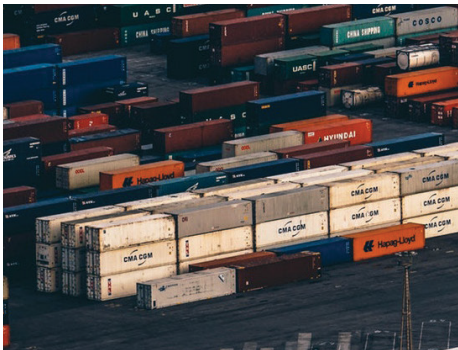
COLUMBUS STATE

COMMUNITY COLLEGE

NEW STUDENT ADVISING PACKET

2019–2020

Engineering & Transportation Technologies



First Semester Advising Overview

Welcome to Columbus State Community College! An essential part of New Student Orientation is getting an introduction to your academic department and scheduling suggestions for your first semester at CSCC. We are excited you have chosen to be a part of our academic community and want to make your transition to college as seamless as possible. This booklet is designed to provide you an overview of academic advising at Columbus State, a timeline for the start of your first semester, and basic information about our program tracks.

WHAT IS ACADEMIC ADVISING?

Academic advising is a collaboration between students and advisors to help students identify their strengths, skills, and abilities. An academic advisor will help students:

- Create an academic map that will assist with course selection and degree completion.
- Encourage students to make responsible decisions about their academic program.
- Help students connect with campus resources to ensure academic success.
- Connect students with faculty members for the most up-to-date information in their field.

STUDENT COMMITMENT TO SUCCESS

Be an active participant in the advising process by being on time and prepared for an advising appointment.

- Create an **Advising Folder** to keep your important academic documents and **bring it with you** to every advising appointment.
- Be familiar with Columbus State policies, campus resources, and academic requirements for your program.
- Regularly check and read your CSCC student email.
- Print a copy of the academic calendar each semester so you can be aware of important dates and deadlines.
- Contact your advisor as soon as possible if you experience personal or academic difficulties.
- Accept responsibility for your decisions and actions that affect your education and goals.

GETTING READY FOR THE FIRST DAY OF CLASSES

Below is our suggested timeline to assure that you are ready to start classes Autumn Semester. We always recommend planning ahead, as waiting until the last minute may cause unneeded stress!

Register for Classes (before August 1)

Waiting to register only increases the chance of your courses filling up. **Last day to register for Autumn Semester classes is August 25th. NO LATE REGISTRATION IS PERMITTED.**

Apply for Financial Aid and Scholarships (before August 1)

Purchase Your Books and Parking Pass (no later than August 21st)

For more information about buying books and materials, hours of operation, financial aid allowances, and other FAQs visit: www.csccl.edu/bookstore.

Parking can be a challenge during our peak hours. CSCC's Parking Services posts lot updates on their Twitter feed [@csccl_parking](https://twitter.com/csccl_parking).

Pay Your Student Fees: Deadline is 7:30 pm on Wednesday, August 21st

Check your CougarWeb account at least 1 week prior to the fee payment deadline to make sure payment has been made or financial aid has processed.

Students who do not pay their fees or set up a payment deferral by August 21 will be dropped from all of their courses.

AUTUMN SEMESTER BEGINS MONDAY, AUGUST 26TH

Engineering & Transportation Technologies 2019-2020

ADVISOR CONTACT INFORMATION

ADVISORS:

Nichole Braun nbraun@csccl.edu
Allison deVerteuil adeverte@csccl.edu
Sarah Dimick sdimick@csccl.edu

EMAIL: edct@csccl.edu

LOCATION: Davidson Hall 205

WALK-IN HOURS:

Vary by day

ADVISING HOURS:

Appointments available through Starfish or email edct@csccl.edu

Directions on how to schedule appointments via Starfish:
www.csccl.edu/services/advising/be-advising.shtml

To learn more about Columbus State Community College's transfer agreements:

Visit our Transfer website at www.csccl.edu/academics/transfer.

For more career related information:

Visit Career Services to explore various career tools such as **Career Coach** and **Ohio Means Jobs** at www.csccl.edu/services/careers

or see the **Bureau of Labor Statistic's Occupational Outlook Handbook** at www.bls.gov/ooh.

Aviation Maintenance Technology

Columbus State Community College offers training to prepare students for careers in aircraft maintenance. Aviation Maintenance Technician training has been, for many years, a door to opportunity for aircraft mechanic jobs and related fields. Columbus State provides training for certification as an Airframe and Powerplant Maintenance Technician. An Airframe and Powerplant Mechanic Certificate issued by the Federal Aviation Administration (FAA), under Title 14 of the Code of Federal Regulations Part 65 (14CFR65), is required for employment as an Aviation Maintenance Technician. The Aviation Maintenance program at Columbus State prepares you with the entry-level knowledge, skills, and attitudes necessary to start your aviation maintenance career. It is an intense 1900 hour program. Your course work will include electrical, hydraulics, pneumatics, fire detection and protection, aerodynamics, structures, non-destructive testing, reciprocating and turbine engine theory, and practical experiences.

Certificate Options: Aviation Maintenance Airframe Certificate, Aviation Maintenance Powerplant Certificate.

FIRST SEMESTER SCHEDULING SUGGESTIONS

1. **COLS 1100 or COLS 1101** - First Year Experience Seminar (1)
2. **ESL coursework and/or Developmental Education courses (if needed)**
3. **ENGL 1100** - Composition I (3)
(by placement)

If you place into MATH 1024/1050 and ENGL 1100 you should begin the following aviation courses:

1. **Autumn Semester** - AMT 1101, 1102, 1103, 1104, 1105
Contact Karen Hill at khill@csc.edu
2. **Spring Semester** - AMT 1101, 1105, 1103
Contact Karen Hill at khill@csc.edu

If more credit hours are needed/wanted after the above options:

1. **Social Behavioral Science Requirement** - Select one: ANTH 2202, GEOG 2400, POLS 1100, SOC 1101, PSY 1100, ECON 2200 (3)
2. **ENGT 1115** - Engineering Graphics (3)

Note to students: All Aviation Maintenance courses are offered at the Bolton Field campus.

Electronic Engineering Technology

The Electronic Engineering Technology A.A.S. degree program provides students with the instruction and hands-on training to support the design, installation, testing, operation, troubleshooting, maintenance, and repair of analog and digital electronics and embedded programmable microcontroller systems. In a laboratory setting, students will learn to use common electronic test bench equipment such as oscilloscopes, digital multi-meters, function generators, and power supplies. The program is accredited by the Engineering Technology Accreditation Commission of ABET. Potential job titles include controls technicians, electronics technicians, electronics engineering technicians, electrical engineering technicians, electrical technicians, engineering technicians, field service technicians, field service engineers, instrument and controls technicians (I & C tech), repair technicians, service technicians, test engineers, test specialists, test technicians, instrument specialists, and instrumentation technicians.

Bachelor Degree Transfer Information: Students who want to pursue a Bachelor's degree can do so through our partnership with Miami University. Upon completing our Associate's degree and the Ohio Transfer Module, students can enter Miami's Bachelor of Science in Electrical and Computing Engineering Technology program as juniors. Miami's program is delivered via distance learning and online so the degree can be completed on Columbus State's campus.

FIRST SEMESTER SCHEDULING SUGGESTIONS

1. **COLS 1100 or COLS 1101** - First Year Experience Seminar (1)
2. **ESL coursework and/or Developmental Education courses (if needed)**
3. **ENGL 1100** - Composition I (3)
(by placement)
4. **EET 1105/EET 1115** - Basic DC Electronic Systems / Basic Digital Systems (3 each)
(Offered as flex term courses intended to be taken in the same semester)
5. **ITST 1101** - Industrial Applications and Software (2)

If more credit hours are needed/wanted after the above options:

1. **MATH 1115** - Mathematics for Engineering Technologies (4) or **MATH 1148** - College Algebra (4)
(Students planning to pursue a Bachelor's degree should elect to take MATH 1148 instead of MATH 1115)

Electro-Mechanical Engineering Technology

The Electro-Mechanical A.A.S. program is a combination of Columbus State's Mechanical and Electronics Engineering Technology programs with additional coursework focused on automation and process control. Electro-Mechanical Technicians, sometimes called Multi-craft Technicians, are "jacks of many trades." They perform both preventative and corrective maintenance on mechanical systems, electro-mechanical systems, hydraulic and pneumatic systems, and automated production systems, as well as assist in the design of new systems and the re-work of old systems. Electro-Mechanical Engineering Technicians work in areas as diverse as manufacturing, environmental control, food and pharmaceutical production, and power plants. Some common job titles graduates have include automation technician, multi-craft technician, engineering liaison, PLC programmer, systems designer, process and control technician, maintenance technician, and technical sales and service.

Bachelor Degree Transfer Information: Students who want to pursue a Bachelor's degree can do so through our partnership with Miami University. Upon completing our Associate's degree and the Ohio Transfer Module, students can enter Miami's Bachelor of Science in Electro-Mechanical Engineering Technology program as juniors. Miami's program is delivered via distance learning and online so the degree can be completed on Columbus State's campus.

FIRST SEMESTER SCHEDULING SUGGESTIONS

1. **COLS 1100 or COLS 1101** - First Year Experience Seminar (1)
2. **ESL coursework and/or Developmental Education courses (if needed)**
3. **ENGL 1100** - Composition I (3)
(by placement)
4. **MATH 1115** - Mathematics for Engineering Technologies (4) or **MATH 1148** - College Algebra (4)
(Students planning to pursue a Bachelor's degree should elect to take MATH 1148 instead of MATH 1115)
5. **ITST 1101** - Industrial Applications and Software (2)
6. **EMEC 1250** - Motors and Control Logic (4)

If more credit hours are needed/wanted after the above options:

1. **ENGT 1115** - Engineering Graphics (3)
2. **EET 1105/1115** - Basic DC Electronic Systems and Basic Digital Systems (3 each)
(Offered as flex term courses intended to be taken in the same semester)

Logistics Engineering Technology

The Logistics Engineering Technology A.A.S. degree program combines coursework from Supply Chain Management, Engineering and Computer Science. The program mixes convenient online courses with hands-on learning instruction on industry-standard logic controllers, conveyors, and logistics technology. The supply chain industry has been greatly affected by the infusion of new technologies such as robotics, data tracking, and analytics. This degree will explore how new technologies create opportunities to design and create more efficient systems and processes that can improve an organization's productivity. Logistics Engineering Technology graduates may expect entry-level, first-line management positions as supervisors and managers in such areas as logistics engineering, industrial engineering, facility engineering, and other related fields. Additionally, graduates may expect entry-level, first-line management positions as supervisors and managers in such areas as traffic and transportation, inventory management, warehousing, export/import, purchasing, materials control, project leads, traffic and operations management.

FIRST SEMESTER SCHEDULING SUGGESTIONS

1. **COLS 1100 or COLS 1101** - First Year Experience Seminar (1)
2. **ESL coursework and/or Developmental Education courses (if needed)**
3. **ENGL 1100** - Composition I (3)
(by placement)
4. **SCM 1100** - Supply Chain Management Principles (3)
5. **MATH 1111** - Discrete Mathematics for Computing (3)
6. **ESSH 1101** - Introduction to Environmental Science, Safety and Health (3)
7. **BOA 1102** - Excel I (2)

Mechanical Engineering Technology

The Mechanical Engineering Technology A.A.S. degree program prepares students to enter this growing profession where the pool of applicants does not meet the demand. Individuals who are mechanically inclined and like to solve problems can have a satisfying career in the field of engineering that creates machines to work for people. The program presents an inside look at the manufacturing process, as well as highlights skills with drafting, computers and troubleshooting. Coursework includes an introduction to manufacturing technology, hydraulics, robotics, materials science, and computer aided drafting and manufacturing. Engineering technology teaches students how to organize thoughts and approach problems—processes which are not only critical to their work but also beneficial in everyday life.

Bachelor Degree Transfer Information: Students successfully completing the A.A.S in Mechanical Engineering Technology can transfer to many different four-year institutions that offer a bachelor's degree in the Engineering Technology field. Formal articulation agreements with Miami University of Ohio are in place.

FIRST SEMESTER SCHEDULING SUGGESTIONS

1. **COLS 1100 or COLS 1101** - First Year Experience Seminar (1)
2. **ESL coursework and/or Developmental Education courses (if needed)**
3. **MATH 1115** - Mathematics for Engineering Technologies (4) *or* **MATH 1148** - College Algebra (4) *(Students planning to pursue a Bachelor's degree should elect to take MATH 1148 instead of MATH 1115)*
4. **MECH 1150** - Manufacturing Materials & Processes (3)
5. **ENGT 1115** - Engineering Graphics (3)
6. **ITST 1101** - Industrial Applications & Software (2)

If more credit hours are needed/wanted after the above options:

1. **ENGL 1100** - Composition I (3)
2. **Social and Behavioral Science Requirement** - Select one from list: ANTH 2202, ECON 2200, GEOG 2400, PSY 1100, SOC 1101 (3) *(ECON 2200 is preferred.)*

Supply Chain Management

Supply Chain Management (SCM) integrates supply and demand management within and across companies. It encompasses the planning and management of the flow of goods and services and involves the movement and storage of raw materials, of work-in-process inventory, and of finished goods from point of origin to point of consumption. It includes sourcing and procurement and coordination and collaboration with channel partners, which can be suppliers, intermediaries, third-party service providers, and customers. Supply chains cover everything from production, to product development, to the information systems needed to direct these undertakings. Supply Chain Management graduates may expect entry-level, first-line management positions as supervisors and managers in such areas as traffic and transportation, inventory management, warehousing, export/import, purchasing, materials control, project leads, traffic and operations management.

Certificate Option: Supply Chain Management Certificate.

FIRST SEMESTER SCHEDULING SUGGESTIONS

1. **COLS 1100 or COLS 1101** - First Year Experience Seminar (1)
2. **ESL coursework and/or Developmental Education courses (if needed)**
3. **ENGL 1100** - Composition I (3)
4. **SCM 1100** - Supply Chain Management Principles (3)
5. **ACCT 1211** - Financial Accounting (3)
6. **ECON 2200** - Principles of Microeconomics (3)

ENGINEERING & TRANSPORTATION TECHNOLOGIES / DESIGN, CONSTRUCTION, & TRADES ADVISING

Academic Advising for the following majors:

- **Engineering & Transportation Technologies**
 - Aviation Maintenance
 - Electro-Mechanical Engineering
 - Electronic Engineering Technology
 - Mechanical Engineering Technology
 - Supply Chain Management
 - Logistics Engineering
- **Design, Construction & Trades**
 - Architecture
 - Civil Engineering Technology
 - Construction Management Technology
 - Environmental Science, Safety & Health
 - Geographic Information Systems
 - Heating, Ventilating & Air Conditioning
 - Landscape Design & Management
 - Skilled Trades:
 - Facilities Maintenance
 - Welding

Academic Advisors:

Nichole Braun	Monday — Friday nbraun@cscce.edu
Allison deVerteuil	Tuesdays/Thursdays adeverte@cscce.edu
Sarah Dimick	Monday sdimick@cscce.edu

Email: edct@cscce.edu

Academic Advising Hours & Location:

Location: Davidson Hall Room 205

Walk-In Hours:
Vary by day

Appointments:
Vary by day; Schedule in Starfish

How to schedule appointments via Starfish:
www.cscce.edu/services/advising/be-advising.shtml

Why should you set up an appointment with your Academic Advisor?

Your Advisor can:

- Help you develop a semester-by-semester plan to successfully complete your degree requirements
- Discuss your academic progress and set up an action plan for success
- Help you identify campus resources to assist with career planning
- Assist with transfer planning

Tips for Success

- Meet with your academic advisor 1–2 times per academic year to develop an academic plan
- Keep an “Advising Folder” with all of your advising materials and bring it with you to your advising session. Your folder should include:
 - a copy of your semester plan
 - a copy of your plan of study
 - a copy of your degree audit
 - questions you may have
- Connect with faculty within your program to learn about job market trends