Bachelor of Science with a major in Computer Science

Major Requirements

Oakland University Courses	Monroe County Community College Courses
MTH 1554	MATH 171
MTH 1555	MATH 172
MTH 2775	MATH 251
APM 2663	CIS 167
Choose **one** science elective (with lab)	(BIOL 151 and 153- both courses required)*; CHEM 151; PHY 251
Choose one additional science elective (must be different from course option above)	BIOL 151*; BIOL 153*; CHEM 151; PHY 251 accepted; PHY 252 accepted
CSI 2300	CIS 150
CSI 2310	CIS 250
CSI 2470	CIS 209

*Taking BIOL 151 and 153 will satisfy the two science elective courses (including lab) requirement.

There are eight professional track options to choose from. The courses below apply to the specific track listed. It is recommended to meet with an academic adviser at OU to discuss the different track options.

Oakland University Courses	Monroe County Community College Courses
BIO 3400 (Bioinformatics Track)	BIOL 264

Students may transfer an unlimited amount of credit from Monroe County, and must complete a minimum of 45 credit hours from OU to meet degree requirements. As programs may limit how much transfer credit can be used toward requirements, **it is highly recommended that students work with both an OU academic adviser and their Monroe County academic adviser to maximize the applicability of coursework to specific requirements**.

TRANSFERRING WITH THE MICHIGAN TRANSFER AGREEMENT (MTA):
When choosing to complete MTA to satisfy General Education, please confirm the best courses to take to fulfill the agreement with your academic adviser at Monroe County or at the Monroe County MTA Approved Courses website. Completing MTA when following this major guide will satisfy OU's transferable General Education requirements.

Additional course requirements for MTA when following this major guide (minimum 30 credit hours required for MTA):
ENGL 151
ENGL 152 or 254 (Review your MTA plans with an OU academic adviser)
One MTA Approved Natural Sciences course (only required if both science electives are BIOL or PHY courses)
Two MTA Approved Social Sciences courses
Two MTA Approved Humanities or Fine Arts courses

TRANSFERRING WITHOUT MTA:
If you intend to transfer without MTA, you can choose to complete additional coursework to fulfill OU's individual General Education categories instead. When following this major guide, please reference the Monroe County General Education Transfer Guide for the Monroe County courses that satisfy these specific OU General Education categories:

- Writing Foundations (ENGL 152 or 254)
- Arts
- Language and Culture
- Global Perspective

- Literature
- Social Science
- U.S. Diversity

All prospective students should call the School of Engineering and Computer Science (SECS) Academic Advising Office at (248) 370-2201 to schedule an appointment. Their office can also contacted by email at secsadvising@oakland.edu, or visit their website for more information.

NOTES:

Transfer students are admitted directly to the major if they have a cumulative GPA of 2.8 or higher, if students have a GPA between 2.5 and 2.79, they are admitted as a "Candidate" to the SECS, and will need to meet established criteria to change their major.

Students apply for major standing once they have completed math, science, and core computer science courses.

Oakland University will always honor the **MACRAO transfer agreement** and apply it to the General Education requirement the same as MTA.

TALKING POINTS:

Learn more about OU's ABET accredited programs: (Bioengineering, Mechanical Engineering, Computer Engineering, Electrical Engineering, Industrial & Systems Engineering, Information Technology and Computer Science).

Learn about ways to get involved in over 20 student organizations affiliated with SECS, as well as different professional organizations related to careers in engineering and computer science!

OU students also participate in competitions such as Intelligent Ground Vehicle, Formula SAE, North American International Auto Show in Detroit, GrizzHacks, and Maker Faire Detroit.

OU offers a number of scholarship opportunities to students in the School of Engineering and Computer Science to help pay for your education.

The School of Engineering and Computer Science offers a wide variety of opportunities for undergraduate research.

SECS students can work with a career consultant about your resume, job search or to practice your interviewing skills. There are also a number of networking events each month and resources available through Career Services. Employers from hundreds of companies participate in our annual Engineering and IT Career Fair in search of Oakland students to fill internship and full-time opportunities. 85% of SECS graduates from July 2019 to June 2020 completed an internship or internship-like experience.