Washkewicz College of Engineering
Cleveland State University 1964

Bachelor of Computer Engineering with a Computer Science Minor

Automatic!

Benefits of earning a Computer Science Minor:

• No additional cost or time to pursue and earn
• Gain knowledge in Computer Science specific courses
• Informs recruiters for co-ops, internships, and career opportunities of your strong critical thinking and problem-solving skills

Courses Needed for Computer Engineering Students to Earn a Computer Science Minor

Courses →	CIS 260 Intro to Programming	CIS 265 Data Structures & Algorithms	Additional 9 Credit Hours of CIS Courses at or above 300 level
Computer Engineering **Without** CS Minor	✓	✓	✓
Computer Engineering **With** CS Minor	✓	✓	✓

To earn a Computer Science Minor, Computer Engineering students must earn a C or better in the following:

- 4 credits — CIS 260 (Intro to Programming)
- 4 credits — CIS 265 (Data Structures & Algorithms)
- 9 Credit Hours — Additional CIS Courses at or above 300 Level

Total: 17 credits

Overall Computer Science Minor Requirements and How-To Sign-Up

Computer Science Minor

Students minoring in Computer Science are required to take a minimum of 17 credits of Computer Science in the Electrical Engineering and Computer Science Department.

Required Courses (8 Credit Hours)
CIS 260 – Introduction to Programming
CIS 265 – Data Structures & Algorithms

ADDIONAL 9 CREDIT HOURS OF CIS COURSES AT OR ABOVE THE 300 LEVEL
Exception: No more than one course (3 credit hours) in the student's discipline with substantial computing content can be counted with the CS Program Advisor's approval. Pre-approved courses include MTH 311 Numerical Analysis and PHY 320 Introduction to Computational Physics.

SUGGESTED ELECTIVES

- Web development – CIS 368, CIS 465, CIS 340, CIS 454, CIS 408, CIS 457
- Big data – CIS 430, CIS 493 (Special topic on Big Data Analytics), CIS 340, CIS 390, CIS 434
- Cybersecurity – CIS 340, CIS 345, CIS 475, CIS 493 (Special topic on Information Assurance), CIS 493 (Special topic on Blockchain Technology), CIS 493 (Special topic on Hardware-oriented Security and Trust)
- Computer systems – CIS 335, CIS 480, CIS 340, CIS 345
- Mobile computing – CIS 340, CIS 345, CIS 454, CIS 470, CIS 478, CIS 408
- Artificial intelligence – CIS 390, CIS 467, CIS 340, CIS 458, CIS 493 (Special topic on Big Data Analytics)
- Theory – CIS 390, CIS 335, CIS 490, CIS 424

Use your smartphone's camera app to scan the QR code above. It will direct you to CSU's Undergraduate Course Catalog

How do I sign-up for a Computer Science Minor?

- Log into your CampusNet
- Select the "Student" Tab
- Select "Degree Audit"
- Click "Ask a Question"

Please be sure to confirm your eligibility with your Academic Advisor.

Department	Registrar's Office	Please do not include any "sensitive" data such as your SSN or birth date in your email.
Subject	Other	If we need this information, we can retrieve it from our data information system.
Question	I would like to add a minor in computer science.	

Please choose whether you prefer to have your question answered by email or by phone. If you check Phone, you must provide a phone number in the space provided. If you check Email, please see the section below to provide additional information.

Email ☑   Phone ☐
Phone (XXX) XXX - XXX

Select a preferred contact email.

CSU Email ☑   narora4@vikes.csuohio.edu
Alternate Email ☐   Click the box on left to provide an alternate email address.

Submit   Cancel