

EECS Advising Guideline (2019-2020 academic year)

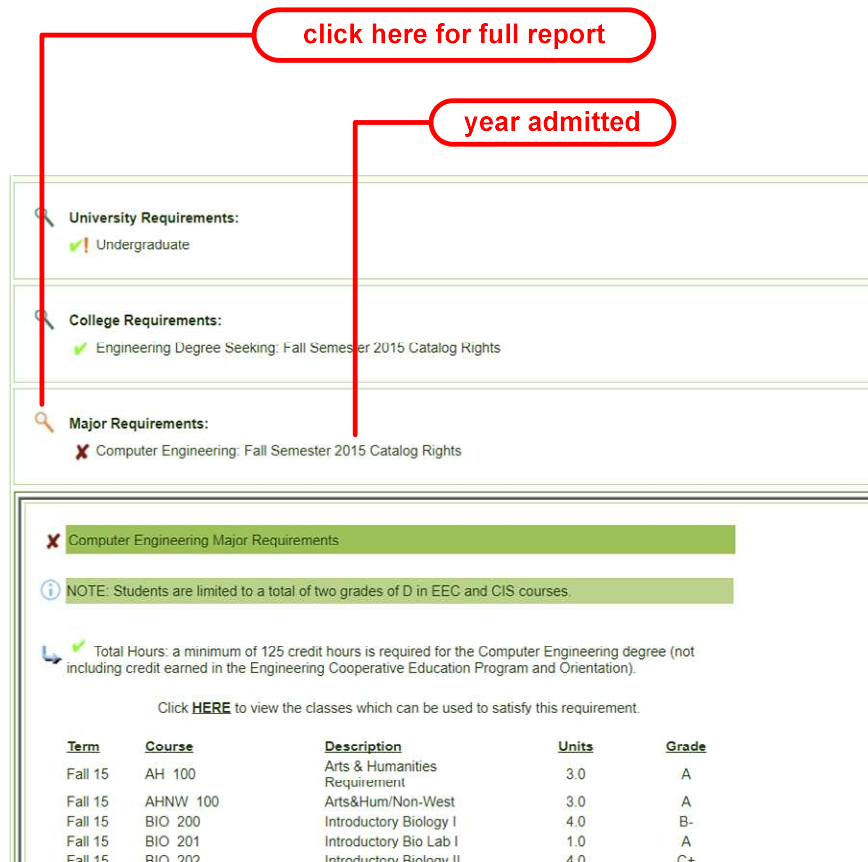
EECS department asks undergraduate students to meet with her or his adviser at least once a year. At the meeting, the adviser will review and discuss your progress, address your concerns, and help you plan your future study. The department puts a “hold” in the registration system for all students. After the meeting. The “hold” will be removed and you can register accordingly. The advising weeks for the 2019-2020 academic year is between February 19 and March 1. The advising procedure is

1. Log in to the registration system and navigate to the degree audit, find the year you were admitted (“catalog year”), and print out the degree audit report.
2. Obtain the “degree planner” and “degree map” of your catalog year. Fill the two forms using the information from the degree audit report.
3. Sign up an appointment with your advisor or undergrad program director and bring the two filled forms to the meeting.
4. At the meeting, your advisor will review your progress and sign the degree planner. Please return the signed degree planner to the EECS office (FH332). The EECS office then will remove the “hold” from the registration system.

Following paragraphs describe the steps in more detail.

Degree Audit

The degree audit page provides a detailed report that shows your progress toward graduation. The degree requirements are based on the undergrad catalog published in the year when you were admitted. There may be some differences from the current catalog due to the subsequent curriculum revisions. A sample screenshot is shown below.



The screenshot shows a degree audit interface. At the top, there are three sections: University Requirements (Undergraduate), College Requirements (Engineering Degree Seeking: Fall Semester 2015 Catalog Rights), and Major Requirements (Computer Engineering: Fall Semester 2015 Catalog Rights). Below these is a section for Computer Engineering Major Requirements, which includes a note about D grades and a total hours requirement of 125 credit hours. At the bottom, there is a table of courses that can be used to satisfy the requirement.

click here for full report

year admitted

University Requirements:
✓ Undergraduate

College Requirements:
✓ Engineering Degree Seeking: Fall Semester 2015 Catalog Rights

Major Requirements:
✗ Computer Engineering: Fall Semester 2015 Catalog Rights

Computer Engineering Major Requirements

NOTE: Students are limited to a total of two grades of D in EEC and CIS courses.

Total Hours: a minimum of 125 credit hours is required for the Computer Engineering degree (not including credit earned in the Engineering Cooperative Education Program and Orientation).
Click **HERE** to view the classes which can be used to satisfy this requirement.

Term	Course	Description	Units	Grade
Fall 15	AH 100	Arts & Humanities Requirement	3.0	A
Fall 15	AHNSW 100	Arts&Hum/Non-West	3.0	A
Fall 15	BIO 200	Introductory Biology I	4.0	B-
Fall 15	BIO 201	Introductory Bio Lab I	1.0	A
Fall 15	BIO 202	Introductory Biology II	4.0	C+

Degree planner and degree map

The degree planner and degree map forms serve as checklists. They are based on the catalog from that particular year. Obtain the forms from your catalog year and fill them according to the degree audit report. The two forms can be found in the archived undergrad catalog as follows:

- Navigate to CSU undergrad catalog web and select your catalog year
- Select “Washkewicz College of Engineering” tab on the left panel and navigate to the EE/CE/CS program web page
- The two forms are on the top right of the page

A screenshot is shown below:

The screenshot displays the website interface for the Washkewicz College of Engineering. On the left is a navigation menu with links such as 'Catalog Home', 'President's Message', and 'Admissions'. The main content area is titled '[ARCHIVED CATALOG] COMPUTER ENGINEERING, B.C.E.'. A dropdown menu at the top right is set to 'Undergraduate Catalog 2015 - 2016 [ARCHIVED CATALOG]'. Below this, the page title is 'Bachelor of Computer Engineering Degree Map'. Three red callout boxes with lines pointing to the page elements are labeled: 'catalog year' (pointing to the dropdown menu), 'degree map' (pointing to the page title), and 'degree planner' (pointing to the page title). Below the title, there is a 'Return to: Washkewicz College of Engineering' link, followed by text regarding 'Minimum hours required for the degree' and 'Admission to major'. A section titled 'MAJOR REQUIREMENTS' contains a sub-section 'MATHEMATICS REQUIRED COURSES (4 COURSES)' with a list of four courses: MTH 181 - Calculus I, MTH 182 - Calculus II, MTH 220 - Introduction to Discrete Mathematics, and MTH 284 - Matrices For Engineers.

Fill the degree planner

The degree planner should include the following:

- Courses completed (including transferred credits)
- Courses currently taking
- Planned courses for the next academic year.

A sample is attached in the end. Please fill it before you meet the adviser.

Adviser meeting

During the advising weeks (February 26 and March 9), EECS faculty members will post the available advising time slots outside their offices. You can go to the adviser's office and sign up for an appointment. If you cannot make it, you can also sign up an appointment with undergrad program directors, Dr. Chu (for EE and CE, FH318) or Dr. Fu (for CS, FH225). They have expanded advising hours in the advising weeks.

Late advising

You will not be able to register courses until you meet with your advisers. After advising week, you need to contact your adviser to arrange a meeting time or sign up an appointment with Dr. Chu or Dr. Fu through the online system (<http://eecsua.csuohio.edu>). The available time slots are much limited.

Custom Print Degree Planner

Student ID: 1002345
Student Name: J Doe
Advisor Name: _____

Catalog: Undergraduate Catalog 2018 - 2019

Program: Computer Engineering, B.C.E.

Minimum Credits Required: _____

Computer Engineering, B.C.E.

Minimum hours required for the degree: 125. This does not include credits earned in the Engineering Cooperative Education Program and Orientation.

Admission to major: Admission to the Washkewicz College of Engineering.

Grade Restriction: Computer Engineering students are limited to a total of two D grades in EEC and CIS courses.

Major Requirements

Mathematics Required Courses (4 courses)

Course Name	Term Taken	Grade	Gen Ed
MTH 181 - Calculus I	Transferred		
MTH 182 - Calculus II	S18	A	
MTH 220 - Introduction to Discrete Mathematics	F18	B	
MTH 284 - Matrices For Engineers	F19		

Ethics Required Course (1 course)

Course Name	Term Taken	Grade	Gen Ed
PHL 215 - Engineering Ethics	F19		

Science Required Courses (4 courses)

Course Name	Term Taken	Grade	Gen Ed
CHM 261 - General Chemistry I	Transferred		
CHM 266 - General Chemistry Laboratory I	Transferred		
PHY 243 - University Physics I (Writing)	S18	B	
PHY 244 - University Physics II (Writing)	S19		

Co-Op Required Course

(Optional course for degree - required for Co-Op program)

Course Name	Term Taken	Grade	Gen Ed
ESC 130 - Engineering Co-op Orientation			

Computer & Information Science Required Courses (5 courses)

Course Name	Term Taken	Grade	Gen Ed
CIS 260 - Introduction To Programming	F18	A	
CIS 265 - Data Structures & Algorithms	S19		
CIS 340 - Systems Programming	F19		
CIS 345 - Operating Systems	S20		
CIS 454 - Data Communication and Networking			

Engineering Science Required Courses (6-7 courses)

Course Name	Term Taken	Grade	Gen Ed
ESC 100 - New Student Orientation <i>(not required for transfer students)</i>			
ESC 102 - Technical Writing and Professional Communication			
ESC 120 - Introduction to Engineering Design			
ESC 151 - C Programming	S18	A	
ESC 250 - Differential Equations For Engineers	F18	B	
ESC 282 - Engineering Economy	S20		
ESC 310 - Engineering Statistics and Probability	S20		

Computer Engineering Required Courses (10 courses)

Course Name	Term Taken	Grade	Gen Ed
EEC 310 - Electric Circuits I	F18	C	
EEC 311 - Electric Circuits II	S19		
EEC 313 - Electronics I	F19		
EEC 316 - Electronic Devices Lab			

EEC 383 - Digital Systems			
EEC 384 - Digital Systems Laboratory			
EEC 414 - Technical Communication			
EEC 483 - Computer Organization			
EEC 487 - Advanced Digital Systems			
EEC 488 - Hardware-Software Co-design			

Computer Engineering Capstone Required Courses (2 courses)

Course Name	Term Taken	Grade	Gen Ed
EEC 493 - Senior Design I			
EEC 494 - Senior Design II			

Computer Engineering Technical Elective Courses

12 credits required - must be chosen from available EEC or CIS 300/400-level courses

Honors Program Requirements

EECS honors students are required to complete 15 to 20 credit hours of honors courses in the EECS Department. General guidelines for these credit hours are given below. However, the specific courses that each student takes will be agreed upon by the student, the department's undergraduate advisor, and the student's honors advisor. The student's regular undergraduate advisor is responsible for finding an honors advisor who is mutually agreeable to the undergraduate advisor, the honors advisor, and the honors student.

1. Honors Courses

The honors credits (15 to 20 hours) should be selected from the following list:

- Honors Thesis (required) (EEC 499H, 1 to 6 credits) - Each honors student conducts research and writes a thesis under the supervision of an EECS faculty member.
- Honors Research (EEC 495H, 1 to 6 credits) - This is research conducted jointly with an EECS faculty, similar to an independent study.
- Graduate Course - Any 500 level EECS graduate course for which the student has the prerequisites.
- Junior Honors, Senior Honors - Most 300 level and 400 level EECS courses can be expanded to become an honors course. This is referred to by the Honors Program as a "contract course." This is done in collaboration among the undergraduate advisor, the honors advisor, and the course instructor.

2. Replaced Credit Hours

Honors credits can be used to replace the equivalent credit hours (15 to 20) of the normally required courses. For BEE students, credits earned as Honors Thesis (EEC 499H) and Honors Research (EEC 495H) can replace credits for any 400 level EEC or CIS course, with the exception of Senior Design (EEC 493/494). For BCE students, these replaced credits can include any 400 level EEC or CIS course, with the exception of Senior Design (EEC 493/494) and Computer Organization (EEC 483).

University Scholars Requirements

Scholars students who are majoring in Electrical Engineering and Computer Engineering are required to complete 12 to 20 credit hours of honors courses in the EECS Department. General guidelines for these credit hours are given below. However, the specific courses that each student selects to fulfill upper-division scholars requirements will be agreed upon by the student, the department's undergraduate advisor, and the student's scholars advisor. The student's undergraduate academic advisor is responsible for finding an upper-division scholars advisor who is mutually agreeable to the undergraduate advisor, the scholars advisor, and the student.

1. Scholars Courses

The honors credits (12 to 20 hours) should be selected from the following list:

- Honors Thesis (EEC 499H, 1 to 6 credits) - The student conducts research and writes a thesis under the supervision of an EECS faculty member.
- Honors Research (EEC 495H, 1 to 6 credits) - This is research conducted jointly with an EECS faculty, similar to an independent study.
- Graduate Course - Any 500 level EECS graduate course for which the student has the prerequisites.
- Junior Honors, Senior Honors - Most 300 level or 400 level EECS courses can be expanded to become an honors course. This is referred to by the Honors Program as a "contract course." This is done in collaboration among the undergraduate advisor, the scholars advisor, and the course instructor.

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Notes: