



Computer & Electrical Engineering

Associate of Science – Transfer
Track 2/MRP

Program Description

Computer and electrical engineers work at the forefront of computer and practical technology and help design and improve the technology we use in our everyday lives, health care, aerospace, and so much more. Studying computer or electrical engineering is a combination of science, mathematics, and computing. This degree is a 101-credit specialized transfer degree designed to prepare students for admission into computer and electrical engineering programs at participating baccalaureate institutions with junior status standing.

Key Advisors

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Program Map

This program map contains recommended courses to complete your degree. It does not replace meeting with an advisor. Please meet with an advisor to discuss your goals and plans.

Advising Notes

UW's Computer and Electrical Engineering degrees are Fall-start programs. Applications to UW are due February 15, and applications to the College of Engineering are due April 5.

[Distribution Areas Course List](#)

1st Quarter - Fall

Courses: 15 credits	Credits	Complete?
ENGL& 101 – English Composition I	5	
MATH& 141 – Precalculus I	5	
CSCI 132 – Introduction to Python	5	

Action items/milestones

- Declare your program of study/major
- Meet with your advisor to discuss this program map

2nd Quarter - Winter

Courses: 15 credits	Credits	Complete?
ENGR& 104 – Introduction to Design	5	
MATH& 142 – Precalculus II	5	
CS& 141 – Computer Science I Java	5	

3rd Quarter - Spring

Courses: 15 credits	Credits	Complete?
PHYS 139 – General Physics Prep	5	
MATH& 151 – Calculus I	5	
CSCI 143 – Object Oriented Programming II with Java	5	

Action items/milestones

- Meet with your advisor prior to completion of 45 credits

4th Quarter - Fall

Courses: 15 credits	Credits	Complete?
PHYS 201 – Mechanics	5	
MATH& 152 – Calculus II	5	
CHEM& 139 – General Chemistry Preparation	5	

5th Quarter - Winter

Courses: 15 credits	Credits	Complete?
PHYS 202 – Electricity and Magnetism	5	
MATH& 163 – Calculus III	5	
CHEM& 161 – General Chemistry with Lab I	5	

6th Quarter - Spring

Courses: 15 credits	Credits	Complete?
PHYS 203 – Waves, Thermodynamics & Modern Topics	5	
Humanities Distribution Course (Recommended: HONORS 200 – Transfer Success Seminar)	5	
CHEM& 162 – General Chemistry with Lab II	5	

7th Quarter - Fall

Courses: 15 credits	Credits	Complete?
ENGL& 235 – Technical Writing	5	
MATH 230 – Differential Equations	5	
Social Sciences Distribution Course	5	

8th Quarter - Winter

Courses: 10 credits	Credits	Complete?
Humanities or Social Sciences Distribution Course	5	
MATH 220 – Linear Algebra	5	

Action items/milestones

- Apply for graduation

9th Quarter - Spring

Courses: 11 credits	Credits	Complete?
MATH& 264 – Calculus IV	5	
ENGR& 204 – Electrical Circuits	6	

Action items/milestones

- Register for commencement