

Electrical Engineering Track V16.0D (AAS-EET to BSEE, Part Time)

Year 1

Fall Quarter

Course Name	credits	Term Taken	Grade	Gen Ed
MA 3502 - Engineering Mathematics II	4 credits			
EE 3001B - Signals and Circuits I	4 credits			
OR 307S - Transfer Orientation Seminar	0 credits			

Total: 8 lecture hours - 2 lab hours - 8 credits

Winter Quarter

Course Name	credits	Term Taken	Grade	Gen Ed
EE 3002B - Signals and Circuits II	4 credits			
• CH 200B - Chemistry I ¹ 4 credits				

Total: 8 lecture hours - 2 lab hours - 8 credits

Spring Quarter

Course Name	credits	Term Taken	Grade	Gen Ed
EE 3112 - Analog Electronics II	4 credits			
MA 262 - Probability and Statistics	3 credits			

Total: 6 lecture hours - 2 lab hours - 7 credits

Year 2

Fall Quarter

Course Name	credits	Term Taken	Grade	Gen Ed
MA 3501 - Engineering Mathematics I	4 credits			
EE 3900B - Design of Logic Systems	4 credits			

Total: 7 lecture hours - 2 lab hours - 8 credits

Winter Quarter

Course Name	credits	Term Taken	Grade	Gen Ed
GE 300 - Career and Professional Guidance	1 credits			
MA 383 - Linear Algebra	3 credits			
EE 3910B - Embedded Systems	4 credits			

Total: 8 lecture hours - 2 lab hours - 8 credits

Spring Quarter

Course Name	credits	Term Taken	Grade	Gen Ed
EE 3051B - Dynamic Systems	4 credits			
• EE 3051B - Dynamic Systems ³ 4 credits				
PH 2021 - Physics II - ElectroMagnetism	4 credits			

Total: 7 lecture hours - 2 lab hours - 8 credits

Year 3

Fall Quarter

Course Name	credits	Term Taken	Grade	Gen Ed
EE 3032 - Signals and Systems	4 credits			
PH 2031 - Waves, Optics, Thermodynamics, and Quantum Physics	4 credits			

Total: 7 lecture hours - 2 lab hours - 8 credits

Winter Quarter

Course Name	credits	Term Taken	Grade	Gen Ed
EE 3204 - Electric and Magnetic Fields	4 credits			
EE 3221 - Digital Signal Processing	4 credits			

Total: 7 lecture hours - 2 lab hours - 8 credits

Spring Quarter

Course Name	credits	Term Taken	Grade	Gen Ed
ME 354 - Thermodynamics and Heat Transfer	3 credits			
EE 3214 - Electromagnetic Waves	4 credits			

Total: 6 lecture hours - 2 lab hours - 7 credits

Year 4

Fall Quarter

Course Name	credits	Term Taken	Grade	Gen Ed
EE 2510 - Introduction to Object-Oriented Programming	3 credits			
EE 3720 - Control Systems	4 credits			

Total: 5 lecture hours - 4 lab hours - 7 credits

Winter Quarter

Course Name	credits	Term Taken	Grade	Gen Ed
IE 423 - Engineering Economy	3 credits			
EE 4022 - Principles of Communications	4 credits			

Total: 6 lecture hours - 2 lab hours - 7 credits

Spring Quarter

Course Name	credits	Term Taken	Grade	Gen Ed
HU 432 - Ethics for Professional Managers and Engineers	3 credits			
PH 3600 - Physics of Semiconductor Materials and Devices	4 credits			

Total: 6 lecture hours - 2 lab hours - 7 credits

Year 5

Fall Quarter

Course Name	credits	Term Taken	Grade	Gen Ed
EE 407 - Senior Design Project I	3 credits			
• Elective (Technical) ² 3 credits				

Total: 5 lecture hours - 3 lab hours - 6 credits

Winter Quarter

Course Name	credits	Term Taken	Grade	Gen Ed
EE 408 - Senior Design Project II	3 credits			
• Elective (Technical) ² 3 credits				

Total: 5 lecture hours - 3 lab hours - 6 credits

Spring Quarter

Course Name	credits	Term Taken	Grade	Gen Ed
EE 409 - Senior Design Project III	3 credits			
• Elective (Math or Science) ² 3 credits				

Total: 5 lecture hours - 3 lab hours - 6 credits

Other Required Courses

Course Name	credits	Term Taken	Grade	Gen Ed
GS 1003 - Freshman Studies III	4 credits			
• Elective (HU) ² 3 credits				
• Elective (HU) ² 3 credits				

Total: 10 lecture hours - 0 lab hours - 10 credits

Notes:

¹ Students with high school chemistry may enroll in CH 200.

² The 15 credits of elective subjects in the V16.0D of the Electrical Engineering program must be taken as follows:

- 6 credits of humanities (HU)
- 6 credits of approved EE program technical electives
- 3 credits of program-approved math or science elective
- Additional electrical engineering program technical electives may be required if certain courses specified by MSOE are not fulfilled at the AAS-EET Institution

³ Students with PH 2011 or equivalent may enroll in EE 3050.

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