

Engineering Major

B.S. in Engineering - Curriculum Map 2019-2020 Catalog

Print as PDF Curriculum Map (<http://catalog.norwich.edu/residentialprogramscatalog/currmaps/engr/Engineering.pdf>)

Course	Cr. Comp.	Course	Cr. Comp.
FRESHMAN			
Fall		Spring	
EG 109 Introduction to Engineering I	3	EG 110 Introduction to Engineering II	3
CH 103 General Chemistry I (General Education Lab Science)	4	EN 102 Composition and Literature II	3
EN 101 Composition and Literature I	3	General Education History/Literature/Arts & Humanities/Social Science (http://catalog.norwich.edu/archives/2019-20/residentialprogramscatalog/generaleducationgoals)	3
General Education Leadership (http://catalog.norwich.edu/archives/2019-20/residentialprogramscatalog/generaleducationgoals)	1-3	General Education Lab Science (http://catalog.norwich.edu/archives/2019-20/residentialprogramscatalog/generaleducationgoals)	4
MA 107 Precalculus Mathematics	4	MA 121 Calculus I (General Education Math)	4
Fall Semester Total Cr.:		Spring Semester Total Cr.:	
15-17		17	
SOPHOMORE			
Fall		Spring	
EE 204 Electrical Circuits I	3	EE 200 Engineering Programming	3
EG 201 Engineering Mechanics (Statics, Dynamics)	3	EG 202 Engineering Mechanics (Statics, Dynamics)	3
Engineering Elective (CE, EE, EM, ME) ^{1, 4}	3	EG 206 Thermodynamics I	3
MA 122 Calculus II (General Education Math)	4	Math Elective ²	3
PS 211 University Physics I	4	Math or Science Elective ^{2, 3}	4
Fall Semester Total Cr.:		Spring Semester Total Cr.:	
17		16	
JUNIOR			
Fall		Spring	
EG 301 Mechanics of Materials	3	EN 204 Professional and Technical Writing	3
EG 303 Fluid Mechanics	3	Engineering Elective (CE, EE, EM, ME) ^{1, 4}	3
EG 350 Engineering Economics and Decision Analysis	3	Engineering Elective (CE, EE, EM, ME) ^{1, 4}	3
EM 461 Project Management	3	Engineering Elective (CE, EE, EM, ME), Math Elective or Science Elective ^{1, 2, 3, 4}	3
Concentration/Focus Area Elective ⁶	3	General Education History/Literature/Arts & Humanities/Social Science (http://catalog.norwich.edu/archives/2019-20/residentialprogramscatalog/generaleducationgoals)	3
Math Elective ²	3	Concentration/Focus Area Elective ⁶	3
Fall Semester Total Cr.:		Spring Semester Total Cr.:	
18		18	
SENIOR			
Fall		Spring	
Concentration/Focus Area Elective ⁶	3	Concentration/Focus Area Elective ⁶	3
Concentration/Focus Area Elective ⁶	3	Concentration/Focus Area Elective ⁶	3
EG 450 Professional Issues (General Education Ethics)	3	Engineering Elective (CE, EE, EM, ME) ^{1, 4}	3
Engineering Elective (CE, EE, EM, ME) ^{1, 4}	3	General Education History/Literature/Arts & Humanities/Social Science (http://catalog.norwich.edu/archives/2019-20/residentialprogramscatalog/generaleducationgoals)	3

General Education History/Literature/ Arts & Humanities/Social Science (http:// catalog.norwich.edu/archives/2019-20/ residentialprograms/catalog/ generaleducationgoals)	3		CE 480 Senior Design (Capstone) ⁵ or EE 494 Electrical System Design II or ME 468 Mechanical Engineering Design II	3	
CE 475 Senior Project Planning ⁵ or EE 491 Electrical System Design I or ME 467 Mechanical Engineering Design I	1-3				
Fall Semester Total Cr.:	16-18		Spring Semester Total Cr.:	15	
TOTAL CREDITS FOR THIS MAJOR: 132-136					

- ¹ CE 211, CE 214, CE 328, CE 332, CE 348, CE 421, CE 422, CE 444, CE 460, EE 204, EE 215, EE 303, EE 321, EE 325, EE 350, EE 356, EE 357, EE 359, EE 366, EE 373, EE 411, EE 459, EE 463, EE 478, EE 486, EG 203, EG 447, EM 220, EM 401, ME 211, ME 307, ME 311, ME 356, ME 363, ME 370, ME 435, ME 465, ME 490
- ² Math courses 200 level or higher that may NOT be counted as both a Math Elective and a Concentration/Focus Area Elective.
- ³ BI 101, BI 102, BI 220, CH 104, CH 204, CH 205, CH 327, ES 270, GL 110, GL 156, GL 253, GL 255, GL 257, GL 262, GL 265, ID 110
- ⁴ Science or Engineering courses may NOT be counted as both an Engineering Elective and a Concentration/Focus Area Elective.
- ⁵ Must take either CE 475/480 OR EE 491/494 OR ME 467/468 sequence.
- ⁶ Focus Area Electives are an intentional, customized course selection in consultation with the advisor to meet the student's interests. Courses may be selected from category 1 or an alternative approved course(s).