

## Engineering Major

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### B.S. in Engineering - Curriculum Map 2017-2018 Catalog

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<b>Freshman</b>		
<b>Fall</b>	<b>Cr. Spring</b>	<b>Cr.</b>
CH 103 General Chemistry I	4 EN 102 Composition and Literature II	3
EN 101 Composition and Literature I	3 EG 110 Introduction to Engineering II	3
MA 107 Precalculus Mathematics	4 MA 121 Calculus I (General Education Math)	4
EG 109 Introduction to Engineering I	3 General Education History/Literature/Arts & Humanities/ Social Science ( <a href="http://catalog.norwich.edu/archives/2017-18/residentialprogramscatalog/generaleducationgoals">http://catalog.norwich.edu/archives/2017-18/residentialprogramscatalog/generaleducationgoals</a> )	3
	General Education Lab Science ( <a href="http://catalog.norwich.edu/archives/2017-18/residentialprogramscatalog/generaleducationgoals">http://catalog.norwich.edu/archives/2017-18/residentialprogramscatalog/generaleducationgoals</a> )	4
Semester Total Credits	14 Semester Total Credits	17
<b>Sophomore</b>		
<b>Fall</b>	<b>Cr. Spring</b>	<b>Cr.</b>
PS 211 University Physics I	4 EE 200 Engineering Programming	3
MA 122 Calculus II (General Education Math)	4 EG 202 Engineering Mechanics (Statics,Dynamics)	3
EG 201 Engineering Mechanics (Statics, Dynamics)	3 EG 206 Thermodynamics I	3
EE 204 Electrical Circuits I	3 Math Elective <sup>2</sup>	3
Engineering Elective (CE, EE, EM, ME) <sup>1, 4</sup>	3 Math or Science Elective <sup>2, 3</sup>	4
Semester Total Credits	17 Semester Total Credits	16
<b>Junior</b>		
<b>Fall</b>	<b>Cr. Spring</b>	<b>Cr.</b>
EG 301 Mechanics of Materials	3 EN 204 Professional and Technical Writing	3
EG 303 Fluid Mechanics	3 Engineering Elective (CE, EE, EM, ME) <sup>1, 4</sup>	3
EG 350 Engineering Economics and Decision Analysis	3 Engineering Elective (CE, EE, EM, ME) <sup>1, 4</sup>	3
EM 461 Project Management	3 Engineering Elective (CE, EE, EM, ME), Math Elective or Science Elective <sup>1, 2, 3, 4</sup>	3
Concentration/Focus Area Elective	3 General Education History/Literature/Arts & Humanities/ Social Science ( <a href="http://catalog.norwich.edu/archives/2017-18/residentialprogramscatalog/generaleducationgoals">http://catalog.norwich.edu/archives/2017-18/residentialprogramscatalog/generaleducationgoals</a> )	3
Math Elective <sup>2</sup>	3 Concentration/Focus Area Elective	3
Semester Total Credits	18 Semester Total Credits	18
<b>Senior</b>		
<b>Fall</b>	<b>Cr. Spring</b>	<b>Cr.</b>
Concentration/Focus Area Elective	3 Concentration/Focus Area Elective	3
Concentration/Focus Area Elective	3 Concentration/Focus Area Elective	3
General Education History/Literature/Arts & Humanities/ Social Science ( <a href="http://catalog.norwich.edu/archives/2017-18/residentialprogramscatalog/generaleducationgoals">http://catalog.norwich.edu/archives/2017-18/residentialprogramscatalog/generaleducationgoals</a> )	3 General Education History/Literature/Arts & Humanities/ Social Science ( <a href="http://catalog.norwich.edu/archives/2017-18/residentialprogramscatalog/generaleducationgoals">http://catalog.norwich.edu/archives/2017-18/residentialprogramscatalog/generaleducationgoals</a> )	3
EG 450 Professional Issues	3 Engineering Elective (CE, EE, EM, ME) <sup>1, 4</sup>	3
Engineering Elective (CE, EE, EM, ME) <sup>1, 4</sup>	3	
Semester Total Credits	15 Semester Total Credits	12
Total Credits For This Major: 127		

<sup>1</sup> 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

<sup>2</sup> Math courses 200 level or higher that may NOT be counted as both a Math Elective and a Concentration/Focus Area Elective.

<sup>3</sup> BI 101, BI 102, BI 220, BI 275, 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

<sup>4</sup> Science or Engineering courses may NOT be counted as both an Engineering Elective and a Concentration/Focus Area Elective.