



COLLEGE OF ENGINEERING AND COMPUTING
DEGREE CURRICULUM SHEET | 2018 - 2019 CATALOG
Bachelor of Science in Engineering

Freshman Year

Fall		Winter	
<u>Course</u>	<u>Credits</u>	<u>Course</u>	<u>Credits</u>
UNIV 1000: First Year Seminar	3	COMP 2000 Advanced College Writing	3
COMP 1500 College Writing	3	CHEM 1300 General Chemistry I/Lab	4
BIOL 1500 Biology I/Lab	4	MATH 2200 Calculus II	4
MATH 2100 Calculus I	4	GENG 1016 Introduction to Engineering Design	3
GENG 1000 Introduction to Engineering	1	GENG 2050 Computer Applications in Engineering	3
GENG 1012 Engineering Graphics	3		
Total Credits	18	Total Credits	17

Sophomore Year

Fall		Winter	
<u>Course</u>	<u>Credits</u>	<u>Course</u>	<u>Credits</u>
PHYS 2400 Physics I/Lab	4	PHYS 2500 Physics II/Lab	4
MATH 3200 Calculus III	4	MATH 3300 Introductory Linear Algebra	3
MATH 4500 Probability and Statistics	3	MATH 3400 Ordinary Differential Equations	3
GENG 2000 Engineering Design and Project Management I	2	GENG 2070 Materials and Processes	3
GENG 2022 Statics	3	GENG 2450 Dynamics	3
Total Credits	16	Total Credits	16

or Year

Fall		Winter	
<u>Course</u>	<u>Credits</u>	<u>Course</u>	<u>Credits</u>
Open Social/Behavioral Science	3	GENG 3000 Engineering Design and Project Management II	3
EENG 2710 Electrical Circuits/Lab	4	GENG 3012 Thermal and Fluid Systems	3
GENG 3800 Quality Control for Engineers	3	GENG 3050 Sensors, Measurements, and Controls	3
GENG 3420 Engineering Economics □	3	GENG 3024 Mechanics of Materials	3
Open Concentration	3	Open Concentration	3
Total Credits	16	Total Credits	15

or Year

Fall		Winter	
<u>Course</u>	<u>Credits</u>	<u>Course</u>	<u>Credits</u>
Open Arts & Humanities	3	Open Arts & Humanities	3
CENG 4910 Engineering Ethics Seminar	1	Open Social/Behavioral Science	3
GENG 4010 Senior Capstone Design Project I	3	GENG 4020 Senior Capstone Design Project II	3
Open Concentration	3	Open Concentration	3
Open Concentration	3		
Total Credits	13	Total Credits	12

REDITS: 123