

Student:		<p>Minimum 124 semester hours required for graduation 18 of the last 24 hours must be at Houghton Must have 30 hours at Houghton One half of major must be at Houghton <i>Must have C- or above in each course to meet Major, Concentration, or Minor credit</i> <i>Must have 62 liberal arts credits for a BS degree</i></p>	
Major: Electrical Engineering			
Minor:			
BS	Advisor:		
Electrical Engineering Major (82 hrs)			
General Education (see GenEd Audit Sheet)			
Half of credits listed below must be taken at Houghton			
Core Requirements			82 hrs
(4) MATH 181 Calculus I	LA	(4) MATH 182 Calculus II	LA
(4) PHYS 151 General Physics I	LA	(4) PHYS 152 General Physics II	LA
(4) MATH 241 Differential Equations	LA	(4) MATH 225 Multivariate Calculus	LA
(4) MATH 333 Probability & Statistics	LA	(4) ENGR 211 Programming for Engineers	
(3) ENGR 171 Introduction to Engineering Design		(3) PHYS 353 Electricity & Magnetism	
(3) ENGR 201 Digital Design		(2) ENGR 371 Engineering Design	
(3) ENGR 202 Circuits & Analog Electronics I		(2) ENGR 372 Engineering Design	
(3) ENGR 203 Circuits & Analog Electronics II		(2) ENGR 373 Engineering Design	
(3) ENGR 204 Digital Signal Processing I		(2) ENGR 374 Engineering Design	
(3) ENGR 303 Digital Signal Processing II		(2) ENGR 375 Engineering Design	
(3) ENGR 301 Electromagnetic Design		(3) ENGR 482 Capstone Engineering Design	
(3) ENGR 302 Engineering System Modeling		(1) STEM 371 Career Seminar	
Additional 3 courses in Engineering Electives *200 or above, selected from below to total 9 hrs			
(3)		(3)	
(3)			
*Engineering Electives			
(3) ENGR 305 Embedded Systems Design I		(1) ENGR 401 Control Systems I	
(3) ENGR 306 Embedded Systems Design II		(3) ENGR 402 Control Systems II	
(3) ENGR 321 Optics		(3) ENGR 452 Power Systems II	
(3) ENGR 451 Power Systems I			