



Name: _____

Student ID #: _____

Freshman-Sophomore Courses (Core Curriculum 60 hours)			
	Course	Hrs	Grade
Area A *	ENGL 1101 College Composition I	3	
	ENGL 1102 College Composition II	3	
	MATH 2011 Calculus & Analytic Geometry I	3	
Area B	COMM 1110 Public Speaking	3	
	INQR 1000 Academic Inquiry	1	
Area C	Humanities & Fine Arts Elective	3	
	Humanities & Fine Arts Elective	3	
Area D*	PHYS 2211 Principles of Physics I	4	
	PHYS 2212 Principles of Physics II	4	
	MATH 2012 Calculus & Analytic Geometry II	3	
Area E	HIST 2111 or 2112 US History	3	
	POLS 1101 American Government	3	
	PSYC 1101, SOCI 1101, ANTH 2011, or ECON 1810	3	
	Social Science Elective (ECON 2105 or ECON 2106 preferred)	3	
Area F *	MATH 2011 Calculus & Analytic Geo I (carryover)	1	
	MATH 2012 Calculus & Analytic Geo II (carryover)	1	
	MATH 2013 Calculus & Analytic Geo III	4	
	CSCI 1301 Programming I	4	
	CYBR 2600 Networking & Cybersecurity	4	
	ENGR 2060 Programming for Science & Engineering	4	

Total Core Hours: 60

* Grade of C or better is required

+ Allowable General Elective:

- BSME 3101 Biomechanics
- BSME 4601 Biomedical Imaging
- BSME 3201 Biomedical Signal Processing
- BSME 2201 Biomedical Visualization
- BSME 3601 Biomedical Instrumentation
- BSME 3901 Modeling & Simulation of Bio Sys
- BSME 3601 Biomedical Data Analytics
- BSME 3202 Biomedical Applications of AI + ML
- CSCI 3030 Discrete Mathematics
- MATH 3280 Linear Algebra

Minimum hours needed to earn a Bachelor of Science: 129

At least 39 hours (13 courses) must be at the 3xxx or 4xxx level.

Major Required Courses * (50 hours)			
	Course	Hrs	Grade
	BIOL 2251 Human Anatomy & Physiology I	4	
	BSME 1901 Intro to Bio Med Systems Eng	3	
	BSME 2101 Overview of Health Sys & Process	3	
	BSME 3501 Biomedical System Security	3	
	CHEM 1211/L Principles of Chemistry I/Lab	3/1	
	CHEM 1212/L Principles of Chemistry II/Lab	3/1	
	CYBR 3200 Network Defense & Countermeasure	3	
	HINF 3209 Prin of Health Info & Info Mgmt	4	
	HINF 4209 Health Law & Ethics	3	
	MATH 3020 Differential Equations	3	
	MATH 3250 Intro to Stats & Data Analysis	3	
	PHYS 3011 Electronics I	4	
	PHYS 3012 Electronics II	4	
	BSME 4901 Senior Design I	3	
	BSME 4902 Senior Design II	2	

General Elective (15 hours) +			

Wellness Courses (4 hours)			
	WELL 1000	2	
	Activity Course	1	
	Activity Course	1	

Total Program Hours: 129