

APPLIED SCIENCE - Biomedical Engineering BS (127 hours)

NAME _____	PID _____	Optional 2nd Major or Minor _____
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FOUNDATIONS

English Comp. and Rhetoric	Foreign Language* HSFL(s) _____		Quant. Reas. (QR)	Lifetime Fitness (LFIT)
ENGL 101 _____	1. _____	3. _____	MATH 231 [#] _____	(1 hr.)
ENGL 102 _____	2. _____	4. _____		

* Through Level 3 unless placed into Level 4 of HSFL

APPROACHES

Phys. and Life Sciences (PL/PX)	Social and Behavioral Sciences**	Humanities/Fine Arts
CHEM101/101L [#] _____	Hist. Analysis (HS): _____	Vis. & Perf. Arts (VP): _____
PHYS 116 [#] _____	Soc Sci./Hist. Analysis (SS/HS): _____	Literary Arts (LA): _____
	Soc Sci./Hist. Analysis (SS/HS): _____	Phil. Reasoning (PH): _____

** From at least 2 departments.

CONNECTIONS

Communication Int. (CI)	Foreign Lang. Int. (FI)	Quant. Int. (QI) or 2nd Quant. Reas. (QR)		Experiential Ed. (EE)
BIOL 101/L _____	N/A	MATH 232 [#]		APPL 698 _____
US Diversity (US)	North Atlantic World (NA)	World before 1750 (WB)	Beyond the NA (BN)	Global Issues (GL)

MAJOR/MINOR/ELECTIVES

Other Requirements [#] (6 courses)	MAJOR REQUIREMENTS ⁺ (16 courses)		Specialty Electives ^{**} (3 courses)	Minor ^{**} : _____	Electives ^{**}	
COMP 110, 116, 401 ^{**} or PHYS 331 (3-4) [#] _____	APPL 210 (1) [#] _____	APPL 698 (4) _____	Three from: any BMME >400, PHYS 301, PHYS 660/MASC 560: _____			
MATH 233 (3) [#] _____	APPL 150 (3) [#] _____	BIOL 202 (4) [#] _____				
MATH 383 (3) [#] _____	APPL 160 (3) [#] _____	BIOL 252(4) _____				
CHEM 102/102L (4) [#] _____/_____	APPL 310 (2) _____	BMME 400 (1) _____				
PHYS 117 (4) [#] _____	APPL 341 (3) _____	APPL 465 (4) (BMME 465) _____				
BIOL 101/101L (4) [#] _____/_____	APPL 410 (3) (BMME 410) _____	MATH 528 (3) _____	[#] In order to complete the APPL-BME major, students should complete all marked courses (incl PL, QR, QI) prior to the beginning of Junior year. ⁺ Students must earn a C (not C-) in at least 18hrs of Major core. "Other requirements" and "Specialty electives" do not count towards hours of "C". ^{**} See "Notes on BME track" on reverse of worksheet			
	APPL 450 (3) _____	PHYS 351 (4) _____				
	APPL 460 (1) _____	PHYS 352 (4) _____				
	APPL 697 (2) _____	STOR 435, 455 or BIOS 600 (3) _____				

This tally assumes successful completion of presently enrolled courses (not AB or IN), and it does not account for all possible overlaps

Date/Advisor	Date/Advisor	Date/Advisor	Date/Advisor
Remaining courses after this term: _____ Foundations _____ _____ Approaches _____ _____ Connections _____ _____ Supplemental _____ _____ Major 1 (hrs C _____) _____ _____ Major /minor (hrs C____) _____ _____ Other _____ ----- Hrs to date: _____ Hrs. in progress: _____ Total after this term: - 2x/HSFL/>24 _____ Hrs remaining to grad _____ Semesters Left: _____	Remaining courses after this term: _____ Foundations _____ _____ Approaches _____ _____ Connections _____ _____ Supplemental _____ _____ Major 1 (hrs C _____) _____ _____ Major /minor (hrs C____) _____ _____ Other _____ ----- Hrs to date: _____ Hrs. in progress: _____ Total after this term: - 2x/HSFL/>24 _____ Hrs remaining to grad _____ Semesters Left: _____	Remaining courses after this term: _____ Foundations _____ _____ Approaches _____ _____ Connections _____ _____ Supplemental _____ _____ Major 1 (hrs C _____) _____ _____ Major /minor (hrs C____) _____ _____ Other _____ ----- Hrs to date: _____ Hrs. in progress: _____ Total after this term: - 2x/HSFL/>24 _____ Hrs remaining to grad _____ Semesters Left: _____	Remaining courses after this term: _____ Foundations _____ _____ Approaches _____ _____ Connections _____ _____ Supplemental _____ _____ Major 1 (hrs C _____) _____ _____ Major /minor (hrs C____) _____ _____ Other _____ ----- Hrs to date: _____ Hrs. in progress: _____ Total after this term: - 2x/HSFL/>24 _____ Hrs remaining to grad _____ Semesters Left: _____

Additional Notes on BME Track:

****Notes on Free Electives:**

1. Chem 261 is highly recommended
2. Pre-med students should take CHEM 241, 241L, 261, 262, 262L. BIOL 205 and CHEM 430 are recommended, but not required.
3. Students placing out of the introductory COMP courses (COMP 110, 116 or PHYS 331) must take COMP 401.
4. Students have the opportunity to complete possible minors in PHYS or MATH. Note that only one course used for a minor may overlap with the major core requirements and that at least 12 hours of minor coursework must be completed with “C” (not “C-“) or better. “Other requirements” and “Specialty electives” do not count as overlapping courses.
 - a. Physics minor: Five courses including PHYS 116, 117, 128, 128L, two courses above 200.
 - b. Math minor: Eight courses including MATH 231, 232, 233, 381, 383, three courses from MATH 435 and MATH \geq 500.
5. Students wishing to meet traditional core requirements of an undergraduate degree in BME should take BMME 405 and 510 as specialty electives.
6. At least one summer internship (following SO or JR year) is recommended. Academic credit for summer internships may be obtained by registering for APPL 395 in the semester following the internship (written and oral presentation of the work experience and accomplishments).
7. APPL 395 (research) may be taken repeatedly for elective credit up to the University maximum of 12 research hours of any type.