



Division of Science & Mathematics

**APPLIED MATHEMATICS, BS**  
**3-2 Engineering Degree Program**  
 Sample 3-Year Paradigm  
 (if calculus ready in freshman year)

Freshmen Year Fall Semester			Freshmen Year Spring Semester		
Course	Credits		Course	Credits	
MAT 241	4		MAT 242	4	
CHE 151	5		CHE 152	5	
SCI 100	3		SSC 100	3	
ENG 120	3		COM 119	3	
FDS 100	1		PE	0.5	
PE	0.5		Total	15.5	
Total	16.5				
Sophomore Year Fall Semester			Sophomore Year Spring Semester		
Course	Credits		Course	Credits	
MAT 261	4		PHY 241	5	
MAT 341	3		MAT 342	3	
CSC 117	4		Humanities Elective	1-4	
ENG 201	3		Social Science Elective	3	
PE	0.5		PE	0.5	
Total	14.5		Total	12.5-15.5	
Junior Year Fall Semester			Junior Year Spring Semester		
Course	Credits		Course	Credits	
PHY 242	5		PHY 341	3	
ECO 221	3		MAT 346	4	
Field of Specialization Elective	3-4		MAT 398	0.5	
Humanities Elective	1-4		Social Science Elective	3	
MAT 397	0.5		Humanities Elective	1-4	
Social Science Elective	3		Field of Specialization Elective	3-4	
Total	15.5-19.5		Total	14.5-18.5	

Students must maintain a grade point average of 3.0 for full consideration for entry into the affiliated university's engineering programs.