

III. MAJOR: Mathematics/Applied(Pre-Engineering -- Material Engineering)

A. Core Requirements

MAT 131	Calculus I (Satisfied in General Studies)
MAT 132	Calculus II
PHY 211	General Physics I (Satisfied in General Studies)
PHY 212	General Physics II (Satisfied in General Studies)
Total Core	

	Grade	Semester
5		
5		

B: Concentration/Specialization

PHY 311	Engineering Statics
PHY 320	Engineering Thermodynamics
PHY 350	Electrical Circuits
Total Concentration	

3		
3		
4		
10		

C. Supporting Courses

CHE 101	General Chemistry I
CHE 102	General Chemistry II
CHE 110	General Chemistry Lab I
CHE 120	General Chemistry Lab II
CHE 200	Introductory Organic Chemistry
COS 108	Principles of Computer Science I
MAT 231	Calculus III
MAT 232	Calculus IV
MAT Elec	Either MAT 315, MAT 321 or MAT 333
PHY 390	Special Topics (Capstone Course)
Total Support Courses	

3		
3		
1		
1		
4		
4		
3		
3		
3		
28		

TOTAL MAJOR

43

IV. ELECTIVES

A. 300-400 Courses (Degree program must have at least 42 hours of 300-400 courses)

_____ Courses transfer from UK to reach 120 hours total which depend upon particular engineering program.

26		
----	--	--

B. Free Electives

_____ Free Electives

2		
---	--	--

TOTAL FREE ELECTIVES

28

TOTAL DEGREE PROGRAM

120

Note: Courses beginning with a zero (0XX-Developmental courses) do not count toward graduation)