

III. MAJOR: Mathematics/Applied(Pre-Engineering -- Chemical 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		
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5		
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B: Concentration/Specialization

PHY 320	Engineering Thermodynamics
Total Concentration	

3		
3		

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
COS 108	Principles of Computer Science I
MAT 231	Calculus III
MAT 232	Calculus IV
CHE 301	Organic Chemistry I
CHE 302	Organic Chemistry II
CHE 310	Organic Chemistry Lab I
CHE 320	Organic Chemistry Lab II
CHE 407	Physical Chemistry I
CHE 408	Physical Chemistry II

3		
3		
1		
1		
4		
3		
3		
3		
3		
1		
1		
4		
4		

Total Support Courses

34		
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TOTAL MAJOR

42		
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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.
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23		
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B. Free Electives

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6		
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TOTAL FREE ELECTIVES

29		
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TOTAL DEGREE PROGRAM

120		
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Note: Courses beginning with a zero (0XX-Developmental courses) do not count toward graduation)