

## Programme content

### Core/Optional Courses & Projects

<b>BEng Chemical Engineering MEng Chemical Engineering with Oil and Gas Technology</b>		
<b>Year 1 BEng &amp; MEng</b>	<b>Students take 8 core courses</b>	
	Chemical Thermodynamics & Introductory Chemical Kinetics	Core
	Maths for Engineers & Scientists 3	Core
	Maths for Scientists & Engineers 4	Core
	Process Design A	Core
	Process Engineering A	Core
	Process Engineering B	Core
	Process Engineering C	Core
	Process Industries C	Core

<b>Year 2 BEng &amp; MEng</b>	<b>Students take 8 core courses</b>	
	Business Awareness, Safety and Sustainability	Core
	Chemical Reaction Engineering	Core
	Chemistry of Materials for Chemical Engineers	Core
	Multiphase Thermodynamics	Core
	Process Design B	Core
	Process Modelling	Core
	Separation Processes A	Core
	Separation Processes B	Core

<b>Year 3 BEng &amp; MEng</b>	<b>BEng students take 5 core courses, and 3 projects MEng students take 6 core courses, 2 projects and a compulsory industrial training placement</b>	
	Energy Generation and Utilisation	Core
	Chemical Reaction, Modelling and Control	Core
	Sustainability, Health and Safety	Core
	Unit Operations A	Core
BEng only	Design Project A	Core
	Design Project B	Core
	Research Project	Core
	Oil & Gas Processing	Core
MEng Only	MEng Design Project A	Core
	FLAME Appraisal	Core
	MEng Design Project B	Core
	FLAME Development	Core
	Industrial Training	Core

<b>Year 4 MEng only</b>	<b>Students take 4 core courses and 4 projects</b>	
	Advanced Chemical Engineering	Core
	MEng Design Project C	Core
	MEng Design Project D	Core

	MEng Research Project C	Core
	MEng Research Project D	Core
	Oil and Gas Processing	Core
	Professional & Industrial Studies	Core
	Unit Operations B	Core