MONASH University
Engineering

Bachelor of Engineering in the field of chemical engineering

Student ID		**Student name**	
Course code	0032	**Year commenced course**	
Course version	For students who commenced level 2 from 2006 onwards		
Credit points	192 points (32 x 6 point units)		
Duration of degree	4 years full time, 8 years part time		
Time limit	8 years. Students have eight years in which to complete this award from the time they commence first year. Periods of intermission are counted as part of the eight years.		
Honours	Students are awarded a degree with honours for meritorious performance throughout the course. No additional time is required.		
Streams	Students choose to specialise in one of three streams: biotechnology; nanotechnology and materials and sustainable processing. Each stream comprises a total of four units taken in years two, three and four.		
Course adviser	http://www.eng.monash.edu.au/current-students/course-information.html#1		

Students should bring this course map with them when they seek course advice.

Second year	**Mark**	**Grade**
☐ CHE2161 Fluid mechanics		
☐ CHE2162 Material and energy balances		
☐ CHE2163 Heat and mass transfer		
☐ CHE2164 Thermodynamics I		
☐ CHE2165 Bio-nano engineering		
☐ CHM2735 Chemistry – principles and practice		
☐ ENG2091 Advanced engineering mathematics A		
☐ ENG2092 Advanced engineering mathematics B		
Third year	**Mark**	**Grade**
Core units		
☐ CHE3161 Chemistry and chemical thermodynamics		
☐ CHE3162 Process control		
☐ CHE3163 Sustainable processing I		
☐ CHE3164 Reaction engineering		
☐ CHE3165 Separation processes		
☐ CHE3166 Process design		
Stream units - select one stream from:		
Biotechnology stream		
☐ BCH2011 Structure and function of cellular biomolecules		
☐ CHE3171 Bioprocess technology		

Nanotechnology and materials stream		
☐ CHE3172 Nanotechnology and materials I		
☐ MTE2541 Nanostructure of materials		
Sustainable processing stream		
☐ CHE3175 Process engineering		
☐ ENE3608 Environmental impact and management systems		
Fourth year	**Mark**	**Grade**
Core units		
☐ CHE4161 Engineers in society		
☐ CHE4162 Particle technology		
☐ CHE4163 Transport phenomena and numerical methods		
☐ CHE4164 Integrated industrial training*		
☐ CHE4170 Design project (12 points)		
☐ CHE4180 Chemical engineering project (12 points)		
* Taken by selected students only taking a period of integrated industrial training in the first semester of their final year. This will replace the three units (CHE4180, CHE4161 and CHE4162).		
Stream units		
Biotechnology stream		
☐ CHE4171 Biochemical engineering		
Nanotechnology and materials stream		
☐ CHE4172 Nanotechnology and materials 2		
Sustainable processing stream		
☐ CHE4173 Sustainable processing II		
Professional requirements		
Students may not graduate until they have completed their work experience and submitted a satisfactory report on the experience		
☐ 12 weeks approved engineering work experience		
☐ Report submitted to department and approved		
LAN requirements (for Malaysia campus students only)		
Students who finish their program at the Malaysia campus must also complete the Malaysia National Accreditation Board (Lembaga Akreditasi Negara) LAN requirements before they can course complete and graduate		
☐ LAN requirements		