

B.E.(Architectural) Academic Plan 2009

Level I - 24 units

Only Levels 1 and 2 will be fully available in 2009.

<i>Term</i>	<i>Subject Area</i>	<i>Catalogue Number</i>	<i>Course Description</i>	<i>Units</i>
Sem 1	MATHS	1011	Mathematics IA * <i>or</i>	3.0
Sem 1	MATHS	1013	Mathematics IMA*	
Sem 1	C&ENVENG	1010	Engineering Mechanics - Statics	3.0
Sem 1	DESST	1027	Human Environments	6.0
				12.0
Sem 2	DESST	1029	Constructions and Design: Theories and Practice	6.0
Sem 2	C&ENVENG	1012	Engineering Modeling and Analysis IA	3.0
Sem 2	MATHS	1012	Mathematics IB* <i>or</i>	
Sem 2	MATHS	1011	Mathematics IA	3.0
				12.0

* Students who have undertaken SACE Stage 2 Specialist Maths will be required to enrol in Mathematics IA followed by Mathematics 1B.

* Students who have not taken SACE Stage 2 Specialist Maths will be required to enrol in Mathematics IMA followed by Mathematics 1A and Mathematics 1B. It is strongly recommended that students should enrol in Mathematics 1B in the following summer semester to complete the requirements at Level 1. The satisfactory completion of Mathematics IMA is in addition to the normal requirements of the B.E. Plan but a requirement for students who do not have SACE Stage 2 Specialist Maths. Enrolment in summer will enable students to complete the program in the minimum amount of time.

Level II - 24 units

<i>Term</i>	<i>Subject Area</i>	<i>Catalogue Number</i>	<i>Course Description</i>	<i>Units</i>
Sem 1	MATHS	2201	Engineering Maths 1	3.0
Sem 1	DESST	1030	History of Settlements 1	3.0
Sem 1	C&ENVENG	2025	Strength of Materials IIA	3.0
Sem 1	MECH ENG	2021	Thermo-Fluids I	3.0
				12.0
Sem 2	DESST	2502	Architecture Histories & Theories	3.0
Sem 2	C&ENVENG	2070	Engineering Modelling and Analysis IIA	3.0
Sem 2	C&ENVENG	2069	Geotechnical Engineering IIA	3.0
Sem 2	C&ENVENG	2072	Structural Engineering Design	3.0
				12.0

Courses are indicative only in levels 3 - 4

Level III - 24 units

<i>Term</i>	<i>Subject Area</i>	<i>Catalogue Number</i>	<i>Course Description</i>	<i>Units</i>
Sem 1	MECHENG	3102	Heat Transfer and Thermodynamics	3.0
Sem 1	C&ENVENG	3007	Structural Design III (Steel)	3.0
Sem 1	C&ENVENG	3001	Structural Mechanics IIIA	3.0
Sem 1	DESST	xxxx	Design for Sustainable Buildings S1	3.0
				12.0
Sem 2	DESST	xxxx	Design for Sustainable Buildings S2	3.0
Sem 2	C&ENVENG	xxxx	Engineering Management and Planning	3.0
Sem 2	C&ENVENG	3012	Geotechnical Engineering Design III	3.0
Sem 2	C&ENVENG	3005	Structural Design III (Concrete)	3.0
				12.0

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Level IV - 24 units

<i>Term</i>	<i>Subject Area</i>	<i>Catalogue No</i>	<i>Course Description</i>	<i>Units</i>
Sem 1	C&ENVENG	4034	Engineering Management IV	3.0
Sem 1	C&ENVENG	4003A	Civil & Structural Engineering Research Project Part 1 *	3.0
				6.0
Sem 2	C&ENVENG	4003B	Civil & Structural Engineering Research Project Part 2 *	3.0
Sem 2	C&ENVENG	xxxx	Building Services	3.0
Sem 2	MECHENG	xxxx	Heating, Ventilation and Air-conditioning	3.0
			Specialisation courses to the value of 9 units #	9.0
				24.0

* Students who are not selected for Honours will be required to complete two additional final year specialization courses instead of the Research Project.

Elective courses may include up to 3 units of Level II or III courses offered by the School of Mathematics

SPECIALISATIONS (all 3.0 units)

Students will select Specialisations to the value of at least 12 units from the following groups:

<i>Term</i>	<i>Subject Area</i>	<i>Catalogue Number</i>	<i>Course Description</i>	<i>Units</i>
Group I Structural Engineering				
Sem 1	C&ENVENG	4099	Structural Response to Blast Loading	3.0
Sem 2	C&ENVENG	4068	Computer Methods of Structural Analysis & Design	3.0
Sem 2	C&ENVENG	4069	Advanced Reinforced Concrete	3.0
Group II: Geotechnical Engineering				
Sem 1	C&ENVENG	4079	Deep Foundation Engineering & Design	3.0
Group III: Water Engineering				
Sem 1	C&ENVENG	4098	Water Resources Sustainability and Design	3.0
Sem 2	C&ENVENG	4073	Water Distribution Systems & Design	3.0
Sem 2	C&ENVENG	4075	Water Resources Optimisation and Modelling	3.0
Group IV: Management Engineering				
Sem 1	C&ENVENG	4085	Traffic Engineering and Design	3.0
Group V: Environmental Engineering				
Sem 1	C&ENVENG	4092	Wastewater Engineering and Design	3.0
Sem 2	C&ENVENG	4091	Waste Management Analysis and Design	3.0
			<i>Alternatively, students may substitute up to 3 units of Level II or III courses offered by the School of Mathematics.</i>	

Note: Students may, with the approval of the Head of the School of Civil and Environmental Engineering, replace one or more specialisation courses with appropriate courses offered by other schools within the University of Adelaide.

Note: either pre-requisites, co-requisites or restrictions may be placed on these courses (refer to On-line Course Planner)