COMBINED PROGRAM

B.E.(Aerospace)/B.A. Academic Plan 2009

See Notes below

This program is no longer offered and there has been no level 1 intake in 2008, 2009.

Year 3 - 24 units

Term	*Subject Area*	*Catalogue Number*	*Course Description*	*Units*
Sem 1	MECH ENG	2020	Materials and Manufacturing	3.0
Sem 1	MECH ENG	3100	Aeronautical Eng	3.0
Sem 1			Level III Arts course(s) to the value of 6 units	6.0
Sem 1	MECH ENG	2501	Mech Eng Level 2 Prac	
				12.0
Sem 2	MECH ENG	2019	Dynamics & Control I	3.0
Sem 2	MECH ENG	2101	Mechatronics IM	3.0
Sem 2			Level III Arts course(s) to the value of 6 units	6.0
Sem 2	MECH ENG	2502	Mech Eng Level 2 Prac	
				12.0

Year 4 – 24 units

Term	*Subject Area*	*Catalogue Number*	*Course Description*	*Units*
Sem 1	MECH ENG	3026	Aerospace Materials and Structures	3.0
Sem 1	MECH ENG	3105	Sustainability & the Environment	3.0
Sem 1	MECH ENG	3102	Heat Transfer & Thermodynamics	3.0
Sem 1			Arts course(s) to the value of 3 units	3.0
Sem 1	MECH ENG	3501	Mech Eng Level 3 Prac	
				12.0
Sem 2	MECH ENG	3027	Eng Systems Design & Communication	3.0
Sem 2	MECH ENG	3028	Dynamics & Control II	3.0
Sem 2	MECH ENG	3104	Space Vehicle Design	3.0
Sem 2			Arts course(s) to the value of 3 units	3.0
Sem 2	MECH ENG	3502	Mech Eng Level 3 Prac	
				12.0

Year 5 - 24 units

Term	*Subject Area*	*Catalogue Number*	*Course Description*	*Units*
Sem 1	MECH ENG	4129A	Aerospace Honours Project Level IV Part 1 ***or*** *****	
Sem 1	MECH ENG	4128A	Aerospace Design Project Level IV Part 1*	3.0
Sem 1	MECH ENG	4106	Aerospace Propulsion	3.0
Sem 1	MECH ENG	4108	Aircraft Design	3.0
Sem 1	MECH ENG	4118	Finite Element Analysis of Structures ***or***	3.0
Sem 1	MECH ENG	4111	CFD Eng Aplications	3.0
				12.0
Sem 2	MECH ENG	4116	Eng Management & Quality Systems	3.0
Sem 2	MECH ENG	4100	Advanced Topics in Aerospace Eng	3.0
Sem 2	MECH ENG	4129B	Aerospace Honours Project Level IV Part 2 ***or*** *****	
Sem 2	MECH ENG	4128B	Aerospace Design Project Level IV Part 2 *	3.0
			Mechanical Elective courses to the value of at least 3 units	3.0
				12.0

- *Students accepted into the Honours stream will take Aerospace Honours Project Level IV and other students will take Aerospace Design Project Level IV.*

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ELECTIVES *

Term	*Subject Area*	*Catalogue Number*	*Course Description*	*Units*
Sem 2	MECH ENG	4104	Advanced Topics in Fluid Mechanics	3.0
Sem 2	MECH ENG	4107	Airconditioning	3.0
Sem 2	MECH ENG	4120	Fracture Mechanics	3.0
Sem 2	MECH ENG	4122	Mechanical Signature Analysis – not offered in 2009	3.0
Sem 2	MECH ENG	4121	Materials Selection & Failure Analysis - Not offered in 2009	3.0
Sem 2	MECH ENG	4114	Corrosion: Principles & Prevention	3.0

* *Not all electives are offered each year. Information as to which courses are to be offered in a given year will be available at the time of enrolment. With the approval of the Head of the School of Mechanical Engineering, courses offered by other schools within the University may be included in the selection of electives*

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

To satisfy the Arts component of this program, students commencing in 2009 must undertake 30 units of Arts courses, which includes an approved major sequence (24 units). The remaining 6 units can be undertaken at any level. Students should consult the Bachelor of Arts academic program rules for the list of approved major sequences and the specific requirements of each.

If students are unsure what is required for their engineering presentation then they should consult the 2007 Calendar entry (last time the program was offered). http://www.adelaide.edu.au/calendar/ug/eng/ If students look at the single program of B.E.(Aerospace) for 2007 they will see that they were exempt from Engineering Planning Design and Communication M (3 units). These units are replaced by the Arts components.

Students with questions relating to the requirements listed above are encouraged to seek program advice from the Engineering, Computer and Mathematical Sciences Faculty Office (ecms_office@adelaide.edu.au)