

Course Prerequisites

The University of Western Australia

Courses and prerequisites refer to both 2009 and 2010 admission years unless otherwise indicated. Prerequisites must be satisfied by achieving a combined scaled score of 50 or more in the five years prior to which admission is sought. For 2010 admission, scaled marks in courses must be at stage 3. Recommended subjects provide valuable background for courses, but do not affect selection.

Course	Prerequisites	Recommended
SINGLE DEGREES		
Arts	None ³	
Arts (Asian Studies)	None ³	
Arts (Communication Studies)	None ³	
Arts (European Studies)	None ³	
Commerce	Any TEE mathematics ¹	
Computer & Mathematical Sciences	Applicable Mathematics	Calculus (required for some majors)
Computer Science	Any TEE mathematics ¹	
Dentistry	None ^{4, 10}	Physics, Chemistry and either Calculus or Applicable Mathematics
Economics	Any TEE mathematics ¹	
Education (see combined course entries below)		
Engineering	Applicable Mathematics and two of Calculus, Chemistry, Physics ⁷	Calculus, Chemistry or Physics (Calculus is strongly recommended)
Environmental Design (<i>Architecture</i>)	None	
Fine Arts	None	
Health Science	Any TEE mathematics ¹	
Landscape Architecture	None	
Law (see combined course entries below)		
Medicine, Medicine (Bonded Place)	None ^{4, 5, 10}	
Music	TEE Music or appropriate AMEB levels or equivalent proficiency in performance and theory ⁶	
Music Education	TEE Music or appropriate AMEB levels or equivalent proficiency in performance and theory ⁶	
Podiatric Medicine	None	Chemistry, Applicable Mathematics (2009, 2010), and Biology or Human Biology (2009)
Restoration Ecology (Albany Centre only)	Any TEE mathematics ¹	
Science (3 year and 4 year) (see Science Majors and Specialised Programmes below)		
Science Majors and Specialised Programs		
Advanced Science	Any TEE mathematics ^{1,2} TER of 98 or equivalent; scaled scores of 85 in all science subjects including Mathematics	Applicable Mathematics and one or more of Chemistry, Physics, Calculus and Human Biology
Agricultural Economics	Any TEE mathematics ¹	
Agricultural Science	Any TEE mathematics ¹	
Anatomical Sciences	Any TEE mathematics ¹	Applicable Mathematics
Anatomy & Human Biology	Any TEE mathematics ¹	Applicable Mathematics, Chemistry
Animal Science	Any TEE mathematics ¹	Applicable Mathematics (2009)
Anthropology	Any TEE mathematics ¹	Applicable Mathematics
Applied Mathematics	Applicable Mathematics, Calculus	
Archaeology	Any TEE mathematics ¹	Applicable Mathematics
Biochemistry	Any TEE mathematics ¹	Applicable Mathematics, Chemistry
Bioinformatics	Applicable Mathematics	Chemistry, Calculus (2009), Chemistry (2010)
Biomedical Science	Any TEE mathematics ¹	Applicable Mathematics, Chemistry
Biophysical Science	Applicable Mathematics, Chemistry, Physics	Calculus
Biophysics	Applicable Mathematics, Physics	Calculus, Chemistry
Botany	Any TEE mathematics ¹	
Cell Physiology	Any TEE mathematics ¹	Applicable Mathematics, Chemistry
Chemical Physics	Applicable Mathematics, Calculus, Chemistry, Physics	

Chemistry	Applicable Mathematics, Chemistry	Calculus, Physics
Climate Studies	Any TEE mathematics ¹	
Computer Science	Any TEE mathematics ¹	Applicable Mathematics
Conservation Biology	Any TEE mathematics ¹	
Conservation Biology and Management	Any TEE mathematics ¹	
Earth Science	Any TEE mathematics ¹	
Environmental and Natural Resource Economics	Any TEE mathematics ¹	
Environmental Chemistry	Applicable Mathematics, Chemistry	Calculus, Physics
Environmental Geoscience	Any TEE mathematics ¹	Physics
Environmental Management	Any TEE mathematics ¹	
Environmental Science	Any TEE mathematics ¹	Applicable Mathematics, Chemistry (required for the Environmental Chemistry major)
Exercise and Health	Any TEE mathematics ¹	Applicable Mathematics, Human Biology
Genetics	Any TEE mathematics ¹	Applicable Mathematics, Chemistry
Genetics and Breeding	Any TEE mathematics ¹	
Geochemistry	Applicable Mathematics, Chemistry	
Geography	Any TEE mathematics ¹	
Geology	Any TEE mathematics ¹	
Geology and Resource Economics	Any TEE mathematics ¹	
Green Chemistry	Applicable Mathematics, Calculus, Chemistry	Physics
Horticulture	Any TEE mathematics ¹	
Human Movement & Exercise Science	Any TEE mathematics ¹	Applicable Mathematics (2009, 2010), and Human Biology (2010)
Land & Water Management	Any TEE mathematics ¹	
Land Rehabilitation	Any TEE mathematics ¹	
Landscape Management	Any TEE mathematics ¹	
Linguistics	Any TEE mathematics ¹	Applicable Mathematics
Marine and Coastal Management	Any TEE mathematics ¹	
Marine Biology	Any TEE mathematics ¹	
Marine Science	Any TEE mathematics ¹	
Mathematical Sciences	Applicable Mathematics	Calculus
Mathematical Statistics	Applicable Mathematics, Calculus	
Microbiology	Any TEE mathematics ¹	Applicable Mathematics, Chemistry
Mineral Geoscience	Any TEE mathematics ¹	
Molecular Biology & Biotechnology	Applicable Mathematics, Chemistry	Calculus
Nanotechnology	Applicable Mathematics, Chemistry	Calculus and Physics (Calculus and Physics are required for the physics and engineering science streams, however the Calculus prerequisite may be met by a pass in MATH1030 over the summer immediately preceding the course).
Natural Resource Management	Any TEE mathematics ¹	
Neuroscience	Any TEE mathematics ¹	Applicable Mathematics, Chemistry, Physics
Pathology	Any TEE mathematics ¹	Applicable Mathematics, Chemistry
Petroleum Geoscience	Any TEE mathematics ¹	
Pharmacology	Any TEE mathematics ¹	Applicable Mathematics, Chemistry
Physical Science	Applicable Mathematics, at least one of Chemistry or Physics (depending on major)	Calculus (Calculus is required for the physics and mathematics majors)
Physics	Applicable Mathematics, Calculus, Physics	Chemistry
Physiology	Any TEE mathematics ¹	Applicable Mathematics, Chemistry
Psychology	Any TEE mathematics ¹	Applicable Mathematics, Human Biology
Pure Mathematics	Applicable Mathematics, Calculus	
Science Communication	Any TEE mathematics ^{1,2}	Applicable Mathematics (2009)
Science International	Any TEE mathematics ¹ , any listed prerequisites for the intended Science Major, and one of Chinese ¹¹ , French, German, Indonesian, Italian ¹² or Japanese ¹³	Applicable Mathematics
Scientific Computation	Applicable Mathematics and Calculus, and at least one of Physics, Chemistry or Earth	

	and Environmental Science	
Soil Science	Any TEE mathematics ¹	
Urban and Regional Planning	Any TEE mathematics ¹	
Wildlife Management	Any TEE mathematics ¹	
Zoology	Any TEE mathematics ¹	
COMBINED COURSES (listed in alphabetical order)		
Arts / Commerce	Any TEE mathematics ^{1,3}	Applicable Mathematics (2009)
Arts (Asian Studies) / Commerce	Any TEE mathematics ^{1,3}	Applicable Mathematics (2009)
Arts (Asian Studies) / Economics	Any TEE mathematics ^{1,3}	Applicable Mathematics (2009)
Arts (Asian Studies) / Engineering	Applicable Mathematics and two of Calculus, Chemistry or Physics ^{3,7}	Calculus, Physics, Chemistry
Arts (Asian Studies) / Law	None ³	
Arts (Communication Studies) / Commerce	Any TEE mathematics ^{1,3}	Applicable Mathematics (2009)
Arts (Communication Studies) / Economics	Any TEE mathematics ^{1,3}	Applicable Mathematics (2009)
Arts (Communication Studies) / Engineering	Applicable Mathematics and at least two of Calculus, Chemistry or Physics ⁷	Calculus, Physics, Chemistry
Arts (Communication Studies) / Law	None ³	
Arts / Computer Science	Any TEE mathematics ^{1,3}	Applicable Mathematics (2009)
Arts / Economics	Any TEE mathematics ^{1,3}	Applicable Mathematics (2009)
Arts / Education	None ³	
Arts / Engineering	Applicable Mathematics and at least two of Calculus, Chemistry or Physics ⁷	Calculus, Physics, Chemistry
Arts (European Studies) / Commerce	Any TEE mathematics ^{1,3}	Applicable Mathematics (2009)
Arts (European Studies) / Economics	Any TEE mathematics ^{1,3}	Applicable Mathematics (2009)
Arts / Law	None ³	
Arts / Medicine	None ^{3,4,5,10}	
Arts / Music	TEE Music or appropriate AMEB levels or equivalent proficiency in performance and theory ^{3,6}	
Arts / Science (3 year)	Any TEE mathematics ^{1,2,3}	Applicable Mathematics
Commerce / Computer & Mathematical Sciences	Applicable Mathematics	Calculus
Commerce / Computer Science	Any TEE mathematics ¹	Applicable Mathematics
Commerce / Economics	Any TEE mathematics ¹	Applicable Mathematics
Commerce / Engineering	Applicable Mathematics and two of Calculus, Chemistry or Physics ⁷	Calculus, Physics, Chemistry
Commerce / Fine Arts	Any TEE mathematics ¹	Applicable Mathematics (2009)
Commerce / Health Science	Any TEE mathematics ¹	Applicable Mathematics (2009)
Commerce / Law	Any TEE mathematics ¹	Applicable Mathematics (2009)
Commerce / Music	Any TEE mathematics ¹ and TEE Music or appropriate AMEB levels or equivalent proficiency in equivalent performance and theory ^{3,6}	
Commerce / Science (3 year)	Any TEE mathematics ^{1,2}	Applicable Mathematics
Commerce / Science (4 year)	Any TEE mathematics ^{1,2}	Applicable Mathematics (2009)
Computer & Mathematical Sciences / Economics	Applicable Mathematics	Calculus
Computer & Mathematical Sciences / Engineering	Applicable Mathematics and two of Calculus, Chemistry or Physics ⁷	Calculus, Physics, Chemistry
Computer Science / Economics	Any TEE mathematics ¹	Applicable Mathematics
Computer Science / Engineering	Applicable Mathematics and two of Calculus, Chemistry or Physics ⁷	Calculus, Physics, Chemistry
Computer Science / Science (3 yr)	Any TEE mathematics ^{1,2}	Applicable Mathematics
Economics / Education	Any TEE mathematics ¹	Applicable Mathematics (2009)
Economics / Engineering	Applicable Mathematics and two of Calculus, Chemistry or Physics ⁷	Calculus, Chemistry, Physics
Economics / Health Science	Any TEE mathematics ¹	Applicable Mathematics (2009)
Economics / Law	Any TEE mathematics ¹	Applicable Mathematics (2009)
Economics / Music	Any TEE mathematics ¹ and TEE Music or appropriate AMEB levels or proficiency in performance and theory ⁶	

Economics / Science (3 year)	Any TEE mathematics ^{1,2}	Applicable Mathematics
Economics / Science (4 year)	Any TEE mathematics ^{1,2}	
Education / Science (3 year)	Applicable Mathematics and either Chemistry or Physics ^{2,8}	Calculus is required for a major in physics and is strongly recommended for mathematics majors
Engineering (Electrical & Electronic) / Engineering (Mechanical)	Applicable Mathematics and two of Calculus, Chemistry and Physics ⁷	Calculus, Physics, Chemistry
Engineering / Law	Applicable Mathematics and two of Calculus, Chemistry and Physics ⁷	Calculus, Physics, Chemistry
Engineering / Music (Mechanical & Electrical & Electronic Engineering only) (2009)	Applicable Mathematics and two of Calculus, Chemistry or Physics ⁷ , TEE Music or appropriate AMEB levels or equivalent proficiency in performance and theory ⁶	Calculus, Physics, Chemistry
Engineering / Music (2010)	Applicable Mathematics and two of Calculus, Chemistry or Physics ⁷ , TEE Music or appropriate AMEB levels or equivalent proficiency in performance and theory ⁶	Calculus, Physics, Chemistry
Engineering / Science (3 year)	Applicable Mathematics and two of Calculus, Chemistry or Physics ⁷	Calculus, Physics, Chemistry
Engineering / Science (4 year) ⁹	Applicable Mathematics and two of Calculus, Chemistry or Physics ⁷	Calculus, Physics, Chemistry
Health Science / Law	Any TEE mathematics ¹	Applicable Mathematics (2009)
Health Science / Music	Any TEE mathematics ¹ and TEE Music or appropriate AMEB levels or equivalent proficiency in performance and theory ⁶	
Law / Music	TEE Music or appropriate AMEB levels or equivalent proficiency in performance and theory ⁶	
Law / Science (3 year)	Any TEE mathematics ^{1,2}	Applicable Mathematics
Music / Science (3 year)	Any TEE mathematics ¹ and TEE Music or appropriate AMEB levels or equivalent proficiency in performance and theory ⁶	Applicable Mathematics

¹ – Students with a pass in Discrete Mathematics only will be required to take mathematics in first year to bring them up to the level of Applicable Mathematics

² – See the prerequisites for your intended Science major.

³ – Some majors have additional prerequisites. Contact the Admissions Centre for details.

⁴ – Teaching in first year assumes knowledge of Chemistry to TEE level.

⁵ – Students without a pass in TEE Physics will be required to take a Physics unit in the first year of the course.

⁶ – Applicants must also satisfy the requirements of an audition to be eligible for a Music course. This will require demonstration of a musical background equivalent to TEE Music.

⁷ – Applicants must have passed Applicable Mathematics and two of Calculus, Chemistry and Physics within the five years prior to the admission year. Those who gain admission to an Engineering course without one of Calculus, Chemistry and Physics will be required to take an enabling course in place of that subject.

⁸ – This course involves studying at least one of chemistry, physics, biophysics or mathematics to at least Level 2.

⁹ – Environmental Engineering or Water Resources Engineering majors only, with a science major in Natural Resource Management.

¹⁰ – The selection process for Medicine and Dentistry requires all applicants to sit an aptitude test (UMAT) and attend an interview, in addition to satisfying academic requirements.

¹¹ – TEE Chinese: Advanced, TEE Chinese: Second Language, Chinese: Background Speakers stage 3 (2010) or Chinese: Second Language course stage 3 (2010) satisfies this requirement.

¹² – TEE Italian or Italian course stage 3 (2010) satisfies this requirement.

¹³ – Japanese: Background Speakers stage 3 (2010) or TEE Japanese: Second Language satisfies this requirement.