

Extended Bachelor of Engineering

Extended subject descriptions

For more information about the Extended BE, please see page 9.

400-100 English for Academic Purposes A

Credit points: 12.5

HECS-band: 1

Prerequisites: An IELTS score of 5.5 or equivalent

Contact: A total of 200 hours. Weekly contact varies between 10 hours during semester to 20 hours outside semester. *Includes approximately one hour each per week of the following: language laboratory, computer laboratory and Independent Learning Centre (*Semester 1, repeat 2*).

Description: This subject consists of four units of study: Introduction to Living and Studying in Australia, Thinking and Learning, Academic Communication, and Information Technology. It will also include introductory IELTS preparation.

Introduction to Living and Studying in Australia: This unit deals with the physical, emotional and psychological needs of international students living in Australia. It includes linguistic and cultural knowledge and skills needed to make and maintain social relations. The subject also develops an awareness of the concepts of knowledge and types of learning which are valued in Australian academic cultures. It then encourages students to reflect on the new skills, knowledge and attitudes they will need to participate effectively in learning cultures.

Thinking and Learning: Introduces students to language and study skills relevant to the Australian university environment, specifically the Engineering Faculty. Students will develop critical and analytical thinking, problem-solving techniques, note-taking and organisational skills; using resources and working collaboratively.

Academic Communication: Develops students' reading, writing, speaking, listening and cultural skills, as required to participate in an academic environment. Learning tasks will introduce students to research assignments and report-writing skills at a level of complexity and independence required for entry into 400-101 English for Academic Purposes B.

Information Technology: This covers learning about and using information technology. Students will be introduced to word processing packages that will enable them to carry out written assignments.

IELTS Preparation: Allows students to apply the academic skills learned in the course to the IELTS test format. Test-taking skills and practice tests are included.

Assessment: Assessment will be cumulative and will reflect the learning outcomes as described in the curriculum document. Students will prepare a folio of writing genre appropriate to engineering and make two oral presentations.

400-101 English for Academic Purposes B

Note: Commences Summer Semester and continues Semester 1.

Credit points: 12.5

HECS-band: 1

Prerequisites: Successful completion of 400-100 English for Academic Purposes A

Contact: A total of 200 hours. Weekly contact varies between 10 hours during semester to 20 hours outside semester. *Includes approx. one hour per week each of the following: language laboratory, computer laboratory and Independent Learning Centre (*Semester 1, repeat 2, Summer*).

Description: This subject consists of three units of study: Thinking and Learning, Academic Communication, and Information Technology. This subject will include further intensive IELTS preparation.

Thinking and Learning: Aims to develop sound thinking and study skills relevant to the Australian university environment. It incorporates development of critical and analytical thinking, problem solving, recording and organising information, using resources and working collaboratively.

Academic Communication: Develops students reading, writing, speaking, listening and cultural skills required to participate in an academic environment. Learning tasks gradually lead students to carrying out assignments at a level of complexity required for undergraduate courses.

Information Technology: Will continue to develop the use of information technology. Students will use advanced word processing packages that will enable them to carry out written assignments. Students will be introduced to graphics packages (including *Powerpoint* or similar) and spreadsheets.

IELTS Preparation: Further application of the academic skills learned in the course to the IELTS test format, including test-taking skills and practice tests.

Assessment: Assessment will be cumulative and will reflect the learning outcomes as described in the curriculum document. Students will present a folio

of writing genre appropriate to engineering and make oral presentations accompanied by computer presentations.

400-102 Intensive Academic Preparation (Eng)

Note: Credit cannot be granted for 400-102 and 400-103

Credit points: 12.5

HECS-band: 1

Prerequisites: An IELTS score of at least 6.0 or successful completion of English for Academic Purposes B

Contact: A total of 160 hours. Weekly contact varies between 10 hours during semester to 20 hours outside. *Includes approx. one hour each, per week, of the following: language laboratory, computer laboratory and Independent Learning Centre (*Semester 2*).

Description: This subject consists of three units of study: Thinking and Learning, Academic Communication and the University Environment.

Thinking and Learning: Will examine how the engineering discipline defines itself, resolves problems and issues and disseminates knowledge. Students will identify and participate in typical learning processes within the Engineering Faculty; they will present and evaluate the planning for a short research project and present a written critical analysis of writings used in the engineering field. They will also make a critical appraisal of a spoken presentation and use a selected problem-solving model to address a current issue in engineering.

Academic Communication: Students will write a research paper and make an oral presentation typical of undergraduate assignments on a question relating to an issue in engineering. They will complete a written analysis of an academic paper, prepare outlines and detailed notes on lectures; compile a written literature search for a specific area of study and interact effectively with others in seminars and tutorials.

The University Environment: Students will learn about the University structure (organisationally and geographically), and services available, and will develop practical plans to guide them throughout the remainder of the undergraduate program.

Assessment: Assessment will be cumulative and will reflect the learning outcomes as described in the curriculum document. Students will present a research paper and a written analysis of an academic paper; make an oral presentation and participate in seminars and tutorials.

400-103 Intensive Academic Prep(Special Program)

Credit points: 12.5

HECS-band: 1

Prerequisites: An IELTS score of at least 6.0 or successful completion of English for Academic Purposes B.

Contact: A total of 160 hours. Weekly contact varies between 10 hours during semester to 20 hours outside. *Includes approximately one hour each per week of the following: language laboratory, computer laboratory and Independent Learning Centre (*Semester 2*).

Description: This subject consists of three units of study: Thinking and Learning, Academic Communication and the University Environment. This subject will include further intensive IELTS preparation to enable students to present for the IELTS Test at the end of Semester 3.

Thinking and Learning: Will examine how the engineering discipline defines itself, resolves problems and issues and disseminates knowledge. Students will identify and participate in typical learning processes within the Engineering Faculty; they will present and evaluate the planning for a short research project and present a written critical analysis of writings used in the engineering field. They will also make a critical appraisal of a spoken presentation and use a selected problem-solving model to address a current issue in engineering.

Academic Communication: Students will write a research paper and make an oral presentation typical of graduate assignments on a question relating to an issue in engineering. They will complete a written analysis of an academic paper, prepare outlines and detailed notes on lectures; compile a written literature search for a specific area of study and interact effectively with others in seminars and tutorials.

The University Environment: Students will learn about the University structure (organisationally and geographically), about services available, and develop practical plans to guide them throughout the remainder of the undergraduate program.

IELTS Preparation: Further application of the academic skills learned in the course to the IELTS test format, including test-taking skills and practice tests.

Assessment: Assessment will be cumulative and will reflect the learning outcomes as described in the curriculum document. Students will present a research paper and a written analysis of an academic paper; make an oral presentation and participate in seminars and tutorials. For students entering the extended Bachelor of Engineering programme with an IELTS score of 5.5, a pass will be contingent upon obtaining an IELTS score of 6.5.

*If held at the University of Melbourne Hawthorn campus.

