Program Information

Eynesbury's Foundation Studies Program provides international students with an opportunity, within a supported academic context, to develop and enhance the necessary skills, and capabilities they need to be successful in their chosen undergraduate studies at Adelaide University. The program is specifically designed for international students and complies with the National Standards for Foundation Programs. There is a focus on the development of academic English and the communication skills required for further study throughout the program. The Generalist program develops skills and provides pathways into multiple university courses in five Key Discipline Areas: Arts, Media and Communications, Business and Commerce, Information Technology, Engineering, and Health Science.

Eynesbury provides a supportive learning environment in which pastoral care, and social and cultural inclusion are valued. A minimum score for direct entry to university is 340 points (68 percent average), with many programs requiring higher scores for entry.

Foundation Studies Program

3 Core Modules

3 Elective Modules from any selected stream

Standard Core Modules

Humanities stream

EC_LCOM	Language and Communication
EC_INT	International Studies
EC_CTL	Clear Thinking & Logic

Program Electives Modules

Arts, Media & Communications stream

EC_MASS	Media & Social Studies
EC_PSY	Psychology
EC_DES	Design Studies

Business and Commerce stream

EC_ACC	Accounting
EC_MTHF	Fundamentals of Mathematics
EC_ITS	Information Technology Studies
EC_PSY	Psychology

Information Technology stream

EC_ITS	Information Technology Studies
EC_MTH	Mathematics
EC_ADM	Additional Mathematics

Engineering stream

EC_MTH	Mathematics
EC_ADM	Additional Mathematics
EC_PHY	Physics
EC_CHM	Chemistry (Chemical Engineering)

Health Science stream

EC_CHM	Chemistry
EC_BIO	Biology
EC_NUT	Nutrition
EC_MTH	Mathematics

Program Outline

Core Modules

Clear Thinking & Logic A

This module component will provide students with the skills needed to understand and critically evaluate deductive arguments, where such arguments are understood as attempts to persuade us of the validity of some claim by presenting it in a logical form. This module will provide students with the necessary critical inquiry skills that are required to advance through their tertiary studies.

Clear Thinking & Logic B

This module component will provide students with the skills needed to understand and critically evaluate inductive arguments, where such arguments are understood as attempts to persuade us of a claim by putting forward evidence in support of it. The critical thinking and language skills developed in this module are highly beneficial in all areas of study at university, as well as in everyday life.

International Studies A

This module component aims to expand upon the student's acquired knowledge of the modern world and their understanding of contemporary issues. The range of problems and the issues raised will highlight how both local and international communities are affected, and the influence this has on individuals' lives.

International Studies B

This module component requires students to develop research skills and to engage in a critical examination of these sources to make considered judgements based upon source content. Research skills, source analysis and accurate referencing area major focus. Students will expand on these skills when they are required to undertake an independently research contemporary issue.

Language & Communication A

This module component enables students to communicate effectively in the cultural and academic context of an Australia university. It aims to improve students' written and spoken command of English to a level appropriate for entry into first year undergraduate studies, An emphasis is placed on reading and interpreting academic text as well as learning to write formally and objectively with appropriate and consistent referencing. Students will develop their listening skills and learn to convey information, explain their point of view clearly, and substantiate their argument.

Language & Communication B

This module component requires students to read and respond to a range of persuasive and information texts and create a range of multimodal texts for different purposes and audiences. Students will also develop students speaking skills and learn to convey information, explain their point of view clearly, and substantiate their argument.

Program Elective Modules

Accounting A

This module component will provide students with the knowledge and skills related to the accounting process for business applications. Students will understand the processes involved in generating, recording, classifying, analysing, interpreting, and reporting accounting information for effective decision making. Students will learn how to interpret the financial information and how to convey this to interested users.

Accounting B

This module component develops students' managerial skills to apply analytical tools for decision making in a diverse range of costing, planning, and control scenarios. Students will undertake Management accounting analysis which provides valuable insights for effectively managing organisations and adapting to a rapidly changing business environment.

Additional Mathematics A

This module component will build upon students' knowledge of trigonometric functions with a study of basic trigonometric identities, simplify trigonometric expressions, prove trigonometric identities and use the addition and double angle formulae to solve trigonometric questions. The chain, product and quotient rules will be applied to trigonometric functions, and you will also apply differentiation to solve increasing and decreasing rates of change questions.

Additional Mathematics B

In this module component, students will learn factorial notation and the product principle and apply them to a variety of permutation and combination questions. Students will also learn the binomial expansion, Pascals triangle and how to solve binomial probability questions with and without a calculator. In vectors, students will learn 3-D vector notation, parallel and unit vectors and how to find the scalar product in cartesian and polar form. In addition, students will examine the equation of straight lines in cartesian and parametric forms as well as an in-depth study of complex numbers.

Biology A

This module component is designed to develop a broad scientific knowledge of the living world. The topics focus on the investigation of biological systems and their interaction from the perspectives of the basic concepts of molecular biology and biotechnology, process of homeostasis in multicellular organisms and scientific inquiry skills to observe, record analyse and evaluate scientific data to write a practical report.

Biology B

This module component is designed to develop a broad scientific knowledge of the living world. The topics covered provide the framework for developing integrated programs of learning for students to extend their skills, knowledge and understanding of science inquiry skills. The topics focus on the investigation of biological systems and their

interactions from the perspectives of the basic concepts of cellular biology, concepts of evolution, descent with modification and natural selection and scientific inquiry skills to observe, record, analyse and evaluate data to write a practical report.

Chemistry A

The study of Chemistry helps students to make informed decisions about interacting with and modifying nature, and explore options such as green or sustainable chemistry, which seeks to reduce the environmental impact of chemical products and processes. This module component will focus on the investigation of chemical systems and their interactions from the perspectives of the chemical and biogeochemical cycles that drive environmental systems and processes, how chemical processes are used in the manufacturing industry and scientific inquiry skills to observe, record, analyse and evaluate scientific data.

Chemistry B

The study of Chemistry encourages students to integrate and apply a range of understanding, inquiry and scientific thinking skills that encourage and inspire you to contribute solutions to current and future problems and challenges, and pursue pathways including medical or pharmaceutical research, chemical engineering and innovate product design. This module component will focus on the investigation of the fundamental principles of organic chemistry that include chemical bonding, naming the functional groups of different classes, synthesis and analysis of organic compounds and studies on chemical processes including studies on material sources.

Design Studies A

This module component provides students with opportunities to develop an understanding of key design concepts and principles, and their application in environmental, graphic and/or product design. The history of architecture is reviewed, and Modernism and Brutalism are examined as important design movements. The student is encouraged to select their favourite Architect and develop practical skills in a style that is historically, culturally, and stylistically relevant.

Design Studies B

This module component has a wide scope, enabling students to explore different design disciplines and review the complete design process. Students will critically evaluate selected design works and analyse them using contemporary design resources. Technology in design is researched, providing students with practical skills for generating design content.

Fundamentals of Maths A

This module component provides students with the skills to take raw data, use it to make frequency tables, histograms and boxplots and analyse the information. Different measurements of central tendency and dispersion will be discussed as well as learning how to optimize the use of resources through Linear Programming. Interpreting a variety of index numbers to understand some basic economic developments is also addressed.

Fundamentals of Maths B

This module component enables students to learn basic matrix operations, matrix algebra methods to solve 2 X 2 systems of linear equations, matrix applications to networks and dominance matrices. Students will also learn calculator techniques to solve normal distribution questions. The study of correlations using linear regression analysis as well as simple and compound interest, personal loans payment terms and interest rates will also follow.

Information Technology Studies A

This module component provides students with opportunities to develop an understanding of computer technology and networking, including how the internet works. Students acquire knowledge and skills related to information technology and learn how to program basic webpages using HTML CSS as well as programming skills using Pythion to draw graphics with the Python turtle module.

Information Technology Studies B

This module component provides students with opportunities to develop an understanding of computer technologies and computational thinking. Students will acquire knowledge and skills on databases via practical programming using Python Graphical user interface, scenario questions on all aspects relating to Artificial Intelligence as well as a study of Excel.

Mathematics A

In this module component, students will learn a variety of differentiation techniques including the chain, product and quotient rules. Students will also learn how to differentiate functions from first principles and how to determine stationary points and non-stationary points of inflexion. Furthermore, students will learn how to calculate definite integrals with and without a calculator, how to calculate areas between functions and volumes of rotation using integration.

Mathematics B

In this module component, students will learn arithmetic operations and finding the square root of complex numbers. In the normal distribution topic, characteristics of the normal distribution curve, inverse probability, how to find means and standard deviations, the central limit theorem, comparing sample means to population means and confidence intervals will be covered. Matrices operations will also be taught.

Media & Social Studies A

This module component focuses on the significant history and relationship between media and society and how it has changed our world. By studying the technological development and history of modern media from 1950 to today, this unit looks at how media has evolved to be a 24/ 7 constant in our daily life: changing language, methods of communication, and text types. Media has changed our social values and structures, as well as the way we live, particularly in matters of information availability, education, politics, business, academia, news, and entertainment.

Media & Social Studies B

In understanding how everyday media texts are constructed for purposes and audiences', students in this module component will become proficient users of media products. They will learn to navigate media and distinguish what information can be used as a valuable resource, and what is unreliable. They will critically examine current social issues, investigate chosen media texts (including, news, social media, advertising) and analyse their features. In the end, students will improve their language-based communication skills, and their ability to absorb and express ideas effectively in academic and social contexts.

Nutrition A

This study of Nutrition is designed to encourage students to think about the role of nutrition in their own lives, and about its importance in social, economic, and cultural developments in the world. In this module component, students develop their interests and skills through the design, production, and management of food related tasks. Students develop knowledge of how food composition and energy balance in nutrition influence health and disease, how food psychology and social factors impact nutritional intake, to recognise and identify the food contaminants influencing the safety of food products and implement food safety management systems.

Nutrition B

This module component provides students with the knowledge that good nutrition is integral to a healthy and active life, and it is important that accurate information on nutrition is made available to individuals and communities. Students will develop an understanding that nutrition is a critical part of health, stronger immune systems, and lower risk of non-communicable diseases, nutritional impacts of diet on health of individuals and communities, food security and issues like food waste, diets, and land use to empower consumers to make smart food choices.

Physics A

The study of projectile motion and circular motion in this module component will enable a fundamental understanding of the motion of objects under the influence of gravity, providing essential principles for future engineering endeavours such as designing projectiles, analysing trajectories, and optimizing launch conditions. Exploring electric fields and magnetic fields will facilitate a comprehension of electromagnetism which is applicable to various engineering and medical applications. The study of electromagnetic induction will provide the groundwork for mastering principles crucial to electrical engineering.

Physics B

In this module component, the exploration of momentum provides students with an understanding of the conservation laws that underpin various engineering applications, including collisions, propulsion systems, and structural dynamics. Special relativity lays the groundwork for advanced concepts like relativistic mechanics, which becomes invaluable in engineering scenarios involving high speed. The study of light, wave-particle duality, and the standard model provides essential insights into the behaviour of matter and energy, of benefit to students pursuing subsequent physics and engineering courses by offering a theoretical framework for a range of applications.

Psychology A

This module component considers the concept of personality from the perspective of the Psychodynamic, Humanistic and Trait Theory schools of thought. Students will make a critical comparison of the three personality theories and look at how they are applied to the field of personality assessment. Students will also explore the processes of attitude formation and function, cognitive dissonance, attributions, prejudice, discrimination, and stereotyping and look at some of the methods used to investigate these social phenomena.

Psychology B

This module component explores how non-innate behaviours and responses are acquired through the processes of Classical and Operant Conditioning and Observational Learning. Students will also discuss the causes and symptoms of mental health from the four levels of explanation covered during the module as well as explore the scientific knowledge of sleep.

To complete the program, students are required to complete component A and B for the 3 Core modules and the 3 Elective modules.

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