navitas
International Foundation Year

Program Information

Then Navitas International Foundation Year (NIFY) 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. 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.

Navitas International Foundation Year (NIFY) 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 Elective Recommended Modules

Arts, Media & Communications stream

EC_ITS	Information Technology Studies
EC_PSY	Psychology
EC_DES	Design Studies

Business and Commerce stream

EC_MTH	Mathematics
EC_ACC	Accounting
EC_ITS	Information Technology Studies*

(*Psychology, Design Studies, or Additional Maths)

Information Technology stream

EC_MTH	Mathematics
EC_ITS	Information Technology Studies
EC_ADM	Additional Mathematics*

(*Psychology, Design Studies, or Accounting)

Engineering stream

EC_MTH	Mathematics
EC_ADM	Additional Mathematics
EC_PHY	Physics

Health Science stream

EC_MTH	Mathematics
EC_CHM	Chemistry
EC_BIO	Biology*

(*Psychology, Information Technology Studies, or Additional Maths)

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 arguments are understood as attempts to persuade us of the truth of some claim by putting forward evidence in support of it. This module will provide students with the necessary language, research and critical inquiry skills that will be valuable in progressing 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 arguments are understood as attempts to persuade us of the truth of some claim by putting forward evidence in support of it. Such skills should be very useful in all areas of study at university, and 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, studies on material sources and scientific inquiry skills to evaluate scientific date to write a practical report.

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. Students will acquire knowledge related to the design process and factors affecting design outcomes in both historical and contemporary settings.

Design Studies B

This module component has a wide scope, enabling you to explore the environmental, product and/or graphic design. The history of architecture is reviewed, and Modernism and Brutalism are examined as a feature of the city of Adelaide. The student is encouraged to choose their favourite architect and draw buildings designed by them for their external projects.

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.

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

The study of Physics helps people to understand the world around them. This module component is for students who are interested in the fundamental processes of nature. The study of physics provides an understanding of the processes that determine the behaviour of systems, from the very small (atoms and nuclei) to the very large (solar system and universe). The laws of physics or their consequences underlie many other sciences and engineering and also provide background knowledge for many occupations. The study of physics is therefore often a useful preliminary or a formal prerequisite to these occupations.

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.