# An Overview of GAC Modules

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# GAC001 - Academic English I: Listening and Speaking Skills

**Module Purpose:**

On completion of this module, students should be able to use listening and speaking skills for academic purposes and to communicate in English with increasing confidence, in preparation for higher education.

**Learning Outcomes:**

By the end of the module, students should be able to:

1. Distinguish between general and academic spoken text types, and state the purpose, audience, and level of formality of each type
2. Apply a variety of listening skills to obtain meaning from spoken texts
3. Respond to spoken texts in a range of ways including following instructions
4. Prepare and deliver short formal oral presentations
5. Communicate with accuracy on a variety of general and academic topics in a range of interactive situations

**Content:**

| Unit 1 | Communicating |
|--------|---------------|
| Unit 2 | Countries and Cultures |
| Unit 3 | Modern Lifestyles: Sports and Leisure |
| Unit 4 | Journeys and Travel |
| Unit 5 | Living Things |
| Unit 6 | Technology |

# GAC002 - Academic English I: Reading and Writing Skills

**Module Purpose:**

On completion of this module, students should be able to use reading and writing skills for academic purposes with increasing accuracy and confidence in preparation for higher education.

**Learning Outcomes:**

By the end of the module, students should be able to:

1. Apply key reading skills to obtain meaning from general and academic text types
2. Decode unknown vocabulary through contextual clues, and use an English-English dictionary effectively
3. Write complex sentences that link ideas in a variety of ways
4. Identify and explain the function of the parts of a paragraph and use them when constructing paragraphs
5. Describe plagiarism in the western educational context and demonstrate an understanding of how to avoid it in academic writing
6. Compose a range of text types for general and academic purposes, demonstrating awareness of style, purpose, and audience
7. Demonstrate an ability to plan and synthesize ideas in a short essay format

**Content:**

| Unit 1 | Communicating |
|--------|---------------|
| Unit 2 | Countries and Cultures |
| Unit 3 | Modern Lifestyles: Sports and Leisure |
| Unit 4 | Journeys and Travel |
| Unit 5 | Living Things |
| Unit 6 | Technology |

## GAC003 - Study Skills for Independent Learning

**Module Purpose:**

On completion of this module, students should be able to demonstrate an understanding of the study skills required for effective independent learning in a higher education environment.

**Learning Outcomes:**

By the end of the module, students should be able to:

1. Recognise different learning styles and intelligences, and analyse personally preferred learning styles and independent learning strategies
2. Plan a study workload to meet assignment deadlines over a course of study
3. Identify and utilise study skills and strategies that promote effective independent learning
4. Identify and explain study problems and apply strategies for dealing with them
5. Define the major elements of the higher education study environment
6. Research and evaluate higher education options and create a personal profile and Curriculum Vitae/Resumé suitable for academic and vocational usage

**Content:**

| Unit 1 | Reflective Learning |
|--------|---------------------|
| Unit 2 | Time Management Skills I |
| Unit 3 | Time Management Skills II |
| Unit 4 | The Higher Education Study Environment |
| Unit 5 | Independent Learning |
| Unit 6 | Effective Study Strategies |

## GAC004 - Mathematics I: Fundamentals

**Module Purpose:**

On completion of this module, students should be able to demonstrate an understanding of the basic concepts of mathematics, and the language used, in preparation for tertiary study within an English-speaking environment.

**Learning Outcomes:**

By the end of the module, students should be able to:

1. Solve elementary math problems using basic arithmetic operations
2. Perform basic algebraic operations and solve equations and inequations using algebraic methods
3. Graph algebraic relations and use coordinate geometry to solve problems
4. Analyze simple problems involving planar shapes and solids and solve problems in Euclidean geometry
5. Calculate solutions to various problems using trigonometric methods
6. Solve and graph exponential and logarithmic functions and equations

**Content:**

| Unit 1 | Terminology and Arithmetic Review |
|--------|-----------------------------------|
| Unit 2 | Algebra I: Introductory Algebra |
| Unit 3 | Algebra: Graphs of Algebraic Relations and Coordinate Geometry |
| Unit 4 | Geometry: Plane, Solid, and Euclidean Geometry |
| Unit 5 | Trigonometry |
| Unit 6 | Exponential and Logarithmic Functions |

## GAC005 - Computing I: Introduction to Computing for Academic Study (Old)

**Module Purpose:**

On completion of this module, students should be able to confidently and ethically use information technologies for individual and collaborative formal writing; and use the Internet effectively for academic study.

**Learning Outcomes:**

By the end of the module, students should be able to:

1. Understand, evaluate and discriminate between available and emerging technologies to use, store and protect information
2. Use the Internet to research, interpret and interactively and ethically manage academic projects
3. Create, revise and publish academic documents using a word processing program
4. Create an academic oral presentation using a presentation software program
5. Use open source platforms to collaboratively create and share academic documents

**Content:**

| Unit 1 | Computer Essentials |
|--------|---------------------|
| Unit 2 | Understanding Windows 7, 8 or 10 |
| Unit 3 | Introduction to the Internet |
| Unit 4 | Searching, Interpreting and Selecting Data on the Internet |
| Unit 5 | Introduction to Word Processing |
| Unit 6 | Editing, Formatting and Printing Documents |
| Unit 7 | Tables and Graphics |
| Unit 8 | Academic Formatting, Templates and Multi-page Documents |
| Unit 9 | Online Collaborative Writing |
| Unit 10 | Creating Presentations using PowerPoint |
| Unit 11 | Enhancing your Presentation |

## GAC005 - Computing I: Introduction to Computing for Academic Study (New)

**Module Purpose:**

On completion of this module, students should be able to confidently and ethically use information technologies for individual and collaborative formal writing; and use the Internet effectively for academic study. More specifically, students will be able to access, navigate and download information from the Internet in order to enhance academic research, writing and presentation skills.

**Learning Outcomes:**

By the end of the module, students should be able to:

1. Understand, evaluate and discriminate between available and emerging technologies to use, store and protect information
2. Use the Internet to research, interpret and interactively and ethically manage academic projects
3. Create, revise and publish academic documents using a word processing program
4. Create an academic oral presentation using a presentation software program
5. Use open source platforms to collaboratively create and share academic documents

**Content:**

| Unit 1 | Search Literacy |
|--------|-----------------|
| Unit 2 | Collaborative Writing |
| Unit 3 | Project Management |
| Unit 4 | Creating Effective Presentations |
| Unit 5 | Enhancing your Presentation |
| Unit 6 | The Making of a Video |

## GAC006 - Business, Science, Social Science and Psychology I: Communication Skills

**Module Purpose:**

On completion of this module, students should be able to understand different personality traits in relation to self and others; recognise the influence that different personality types have on achieving personal and group goals; and be able to apply skills required for effective communication.

**Learning Outcomes:**

By the end of the module, students should be able to:

1. Demonstrate a basic knowledge and understanding of personality type differences, and the influences of personal factors on people's behaviour
2. Apply a range of social skills needed for effective communication with others
3. Contribute to effective team relationships by demonstrating knowledge of key leadership styles and team skills and roles
4. Reflect on and record insights from personal experiences and group discussions in the classroom
5. Demonstrate how an understanding of cultural diversity promotes a healthy and harmonious society

**Content:**

| Unit 1 | Understand Self and Relationships with Others |
|--------|-----------------------------------------------|
| Unit 2 | Understanding Groups and Teams |
| Unit 3 | Life Skills |

## GAC007 - Academic English II: Listening and Speaking Skills

**Module Purpose:**

On completion of this module, students should be able to listen and communicate effectively in English in preparation for higher education.

**Learning Outcomes:**

By the end of the module, students should be able to:

1. Compare and contrast differences in general and academic spoken text types, and analyse speech functions within these text types
2. Apply a range of listening skills and strategies to comprehend spoken text types
3. Demonstrate understanding of spoken text types through note-taking and summarising strategies
4. Describe graphs, procedures and processes using visual materials as prompts
5. Deliver formal oral presentations using relevant digital media
6. Communicate and encourage discussions in a range of interactive situations

**Content:**

| Unit 1 | People and Society |
|--------|--------------------|
| Unit 2 | Living Environments |
| Unit 3 | Work and Business |
| Unit 4 | Health Science |
| Unit 5 | Processes and Production |
| Unit 6 | The Environment |

## GAC008 - Academic English II: Reading and Writing Skills

**Module Purpose:**

On completion of this module, students should be able to use reading and writing skills with increasing accuracy, fluency and confidence for academic purposes in preparation for higher education.

**Learning Outcomes**:

By the end of the module, students should be able to:

1. Identify and analyse the features of general and academic text types, and apply this knowledge to create written texts
2. Demonstrate key reading skills
3. Decode unknown vocabulary and idiom
4. Write complex sentences which link ideas in a variety of ways
5. Write well-constructed paragraphs containing topic sentences with supporting statements, and a range of cohesive devices
6. Demonstrate writing skills which assist students to avoid plagiarism
7. Use acquired knowledge and skills to research and create academic texts demonstrating synthesis of ideas
8. Demonstrate information literacy through selecting appropriate research materials and using accurate referencing and citation conventions

**Content:**

| Unit 1 | People and Society |
|--------|--------------------|
| Unit 2 | Places Where People Live and Work |
| Unit 3 | Doing Business |
| Unit 4 | Human Health |
| Unit 5 | Human Progress |
| Unit 6 | Man-made Environmental Issues |

## GAC010 - Mathematics II: Probability, Statistics and Finance

**Module Purpose:**

On completion of this module, students should be able to apply a basic knowledge of the principles of probability and statistics to solving and analysing common financial problems.

**Learning Outcomes:**

By the end of the module, students should be able to:

1. Solve problems using arithmetic and geometric sequences and series
2. Apply algebraic methods to solve financial problems and analyse information
3. Solve problems using probability and counting techniques
4. Analyse collected data using statistical methods
5. Use the normal distribution to analyse data

**Content:**

| Unit 1 | Sequence and Series |
|--------|---------------------|
| Unit 2 | Finance – Earning Money and Purchasing Goods |
| Unit 3 | Finance – Investing Money and Loans |
| Unit 4 | Probability – Key Concepts |
| Unit 5 | Statistics |
| Unit 6 | Statistics – Numerical Measures of Central Locations |
| Unit 7 | Statistics – Numerical Measures of Variability |
| Unit 8 | Distributions – The Normal Distribution |

## GAC011 - Computing II: Web Development

**Module Purpose:**

On completion of this module, students should be able to design and create a basic website by applying knowledge of website development languages. They will also start coding to create basic dynamic content in a website. Furthermore, they will create a strategy to promote their website with social media.

**Learning Outcomes:**

By the end of the module, students should be able to:

1. Design effective websites using aesthetics and formal concepts of layout and organization to communicate effectively using visual components
2. Create and publish a website using scripting languages to add interactive components
3. Incorporate best practices in navigation, usability, and written content to design websites that give users easy access to the information they seek
4. Use the website to complement academic work conducted in other media
5. Use social media to promote or find a website

**Content:**

| Unit 1 | Designing a Website |
|--------|---------------------|
| Unit 2 | Creating a Website Using Html |
| Unit 3 | Using CSS to Enhance your Website |
| Unit 4 | Adding Interactivity with JavaScript |
| Unit 5 | Launching your Website |
| Unit 6 | Social Media Marketing |

## GAC012 - Business II: Business Studies

**Module Purpose:**

On completion of this module, students should be able to demonstrate an understanding of the theory, process and practice of contemporary business, and the functions and services that support it.

**Learning Outcomes:**

By the end of the module, students should be able to:

1. Demonstrate an understanding of important business concepts
2. Identify, evaluate and apply the process and theories of effective management
3. Demonstrate and apply an understanding of the function of the law, human resources management and industrial relations within business contexts
4. Demonstrate and apply an understanding of marketing strategies
5. Demonstrate an understanding of finance and accounting in its application to business environments
6. Demonstrate investigative and analytical skills for a business research task
7. Communicate information using appropriate formats for business

**Content:**

| Unit 1 | Introduction to Business: What Do Businesses Do? |
|--------|---------------------|
| Unit 2 | External Sources of Change: Introductory Economics |
| Unit 3 | External and Internal Sources of Change |
| Unit 4 | Planning |
| Unit 5 | Effective Management Practice |
| Unit 6 | Support Services: Employment Relations |
| Unit 7 | Support Services: Marketing |

## GAC013 - Science II: Scientific Principles

**Module Purpose:**

On completion of this module, students should be able to demonstrate knowledge and understanding of the basic laws, theories and principles of contemporary science.

**Learning Outcomes:**

By the end of the module, students should be able to:

1. Demonstrate knowledge and understanding of the historical development of scientific ideas, and apply that knowledge to differentiate between the different areas of science
2. Apply the scientific method to plan and conduct scientific investigations
3. Create an investigation report following scientific and academic conventions
4. Discuss the contribution of scientific advances
5. Demonstrate knowledge of scientific concepts and terminology from the different areas of science
6. Demonstrate familiarity with and ability to use scientific language, units and notation correctly

**Content:**

| Unit 1 | The History of Science |
|--------|------------------------|
| Unit 2 | The Scientific Method |
| Unit 3 | The Language of Science |
| Unit 4 | The Organization of Science |
| Unit 5 | Scientific Issues |

## GAC014 - Academic English III: Listening & Speaking Skills

**Module Purpose:**

On completion of this module, students should be able to listen and communicate effectively and collaboratively in English in preparation for higher education.

**Learning Outcomes:**

By the end of the module, students should be able to:

1. Apply a wide range of critical listening skills and strategies to comprehend and analyse spoken text types
2. Communicate on general and abstract topics in a range of interactive academic situations
3. Evaluate points of view or arguments demonstrating awareness of validity, reliability and bias
4. Deliver oral presentations using relevant digital media
5. Conduct a formal class seminar on an academic topic

**Content:**

| Unit 1 | Education |
|--------|-----------|
| Unit 2 | Medicine |
| Unit 3 | Legal Studies |
| Unit 4 | Political Studies |
| Unit 5 | Communications |
| Unit 6 | The Future |

## GAC015 - Academic English III: Reading & Writing Skills

**Module Purpose:**

On completion of this module, students should be able to use reading and writing skills accurately, fluently and confidently for academic purposes in preparation for higher education.

**Learning Outcomes:**

By the end of the module, students should be able to:

1. Demonstrate critical and analytical thinking skills when reading and writing for academic purposes
2. Select, evaluate and reference relevant ideas from valid and reliable sources
3. Analyse and create logical arguments using data from valid and reliable sources
4. Research and evaluate in-depth academic texts in an annotated bibliography format and identify suitable material to include in academic writing
5. Use acquired skills and knowledge to plan and create an in-depth academic essay demonstrating synthesis of complex ideas
6. Demonstrate information literacy through selecting appropriate research materials and using accurate referencing conventions

**Content:**

| Unit 1 | Issues in Education |
|--------|---------------------|
| Unit 2 | Issues in Medicine |
| Unit 3 | Legal Issues |
| Unit 4 | Political Issues |
| Unit 5 | Communications |
| Unit 6 | The Future |

## GAC016 - Mathematics III: Calculus & Advanced Applications

**Module Purpose:**

On completion of this module, students should be able to demonstrate a basic understanding of the principles of calculus and how they can be applied to the quantitative analysis of practical and financial situations.

**Learning Outcomes:**

By the end of the module, students should be able to:

1. Determine the derivative (if it exists) of most mathematical functions and use the derivative to analyse functional behaviour
2. Use techniques of integration to find indefinite and definite integrals
3. Apply differentiation and integration techniques in a variety of practical problems

**Content:**

| Unit 1 | Differentiation |
|--------|-----------------|
| Unit 2 | Integration |
| Unit 3 | Advanced Applications |

## GAC017 - Computing III: Data Science and Web Apps

**Module Purpose:**

On completion of this module, students should be able to create a web app. Students will learn about back- end programming and how to create a dynamic website. They will be able to use SQL to analyze data from multiple tables in order to make informed decisions.

**Learning Outcomes:**

By the end of the module, students should be able to:

1. Understand the basic components of a Web Application
2. Adapt a back-end application using scripting languages to interact with databases
3. Create a database with multiple tables
4. Analyze data using SQL in order to make decisions
5. Applying Data Science to other academic areas

**Content:**

| | |
|---|---|
| Unit 1 | JavaScript for Web App's back-end |
| Unit 2 | Back-end Programming |
| Unit 3 | Introduction to Databases |
| Unit 4 | SQL for Back-end Programming |
| Unit 5 | Connecting JavaScript with SQL |
| Unit 6 | Data Science |

## GAC022 - Business III: International Business Studies

**Module Purpose:**

On completion of this module, students should be able to demonstrate an understanding of international business and the impact of globalisation.

**Learning Outcomes:**

By the end of the module, students should be able to:

1. Describe and analyse key concepts around globalisation
2. Demonstrate and apply an understanding of the external factors impacting on the development of international business
3. Demonstrate, evaluate and apply an understanding of the internal factors which contribute to successful international business interactions
4. Apply knowledge of marketing strategies to international business contexts
5. Demonstrate investigative and analytical skills for a business research task
6. Communicate information using appropriate formats and language for business

**Content:**

| | |
|---|---|
| Unit 1 | Introduction to International Business |
| Unit 2 | External Influences on Business: International Economics |
| Unit 3 | Additional External Influences on International Business |
| Unit 4 | Internal Influences on International Business |
| Unit 5 | International Marketing and Culture |

# GAC023 - Science III: General Science

**Module Purpose:**

On completion of this module, students should be able to demonstrate a sound understanding of the laws, theories and principles of Biology, Chemistry, Physics, Environmental Science and Earth Sciences.

**Learning Outcomes:**

By the end of the module, students should be able to:

1. Demonstrate knowledge and understanding of major biological concepts and ideas
2. Describe the main components of an ecosystem and the main processes that take place in it
3. Identify and describe the physical, chemical and biological features of the local environment
4. Demonstrate an understanding of atomic structure, the changes it can undergo and the use of the Periodic Table
5. Explain how applications of chemistry affect the environment
6. Demonstrate an understanding of wave motion
7. Collaboratively plan and implement a scientific investigation following scientific and academic conventions
8. Create a written report following scientific and academic conventions using Internet research

**Content:**

| Unit 1 | The History, Nature and Practice of Biology |
| --- | --- |
| Unit 2 | The Classification of Living Things |
| Unit 3 | Ecosystems |
| Unit 4 | Earth Resources |
| Unit 5 | Chemistry |
| Unit 6 | Chemistry and the Environment |
| Unit 7 | Physics |

# GAC024 - Discrete Mathematics

**Module Purpose:**

On completion of this module, students should be able to demonstrate an understanding of the basic principles of discrete mathematics, particularly the utilisation of mathematical logic. They should also be able to demonstrate the application of these skills to practical situations.

**Learning Outcomes:**

By the end of the module, students should be able to:

1. Demonstrate understanding of the introductory concepts and properties of sets, relations and functions.
2. Understand the relationships between different counting systems and be able to perform simple binary arithmetic operations.
3. Construct and analyse algorithms and flowcharts for simple mathematical and general procedures.
4. Identify the basic types, properties and applications of graphs and trees.
5. Use the basic identities of Boolean algebra to analyse logic circuits and understand the basic principles of propositional logic.

**Content:**

| Unit 1 | Sets, Relations and Functions |
| --- | --- |
| Unit 2 | Counting Systems |
| Unit 3 | Binary Applications |
| Unit 4 | Algorithms |
| Unit 5 | Graphs and Networks |

## GAC026 - ACT® Assessment Preparation Skills

**Module Purpose:**

On completion of this module, students should be able to recognise and recall the question-types which are likely to appear in the ACT test and to apply appropriate test-taking strategies.

**Learning Outcomes:**

By the end of the module, students should be able to:

1. Recognise and recall the content areas and question-types in the ACT English Test and apply appropriate strategies when responding
2. Recognise and recall the content areas and question-types in the ACT Mathematics Test and apply appropriate strategies when responding
3. Recognise and recall the content areas and question-types in the ACT Reading Test and apply appropriate strategies when responding
4. Recognise and recall the content areas, formats and question-types in the ACT Science Test and apply appropriate strategies when responding
5. Recognise and recall the content areas and question-types in the ACT Writing Test and apply appropriate strategies when responding

**Content:**

| Unit 1 | The ACT Assessment |
|--------|--------------------|
| Unit 2 | ACT English Test |
| Unit 3 | ACT Mathematics Test |
| Unit 4 | ACT Reading Test |
| Unit 5 | ACT Science Test |
| Unit 6 | ACT Writing Test |

## GAC027 - Social Science II: Identity and Interaction in Society

**Module Purpose:**

On completion of this module, students should be able to demonstrate an understanding of and discuss the inter-relationship between personal identity, community identity and national identity in the global context.

**Learning Outcomes:**

By the end of the module, students should be able to:

1. Demonstrate an understanding of personal identity within a community and a nation, and their nation within the world
2. Describe the impact of existing paradigms on interactions and behaviors in societies
3. Compare primary and secondary research methods and apply them to a societal research project
4. Apply initiative and analytical skills to a research project
5. Communicate information and opinions using effective and appropriate academic format and language

**Content:**

| Unit 1 | The Making of Identity |
|--------|------------------------|
| Unit 2 | Social Research Methodology |
| Unit 3 | Interaction in Society |
| Unit 4 | Critical Analysis of Sources |
| Unit 5 | The Impact of Existing Paradigms |

## GAC028 - Social Science III: Research Skills and Global Issues

**Module Purpose:**

On completion of this module, students should be able to discuss global issues and use appropriate social and cultural research methodologies to investigate, analyze, and present opinions on global issues.

**Learning Outcomes:**

By the end of the module, students should be able to:

1. Explain the nature of global issues and outline the major global issues of the past century
2. Analyse and discuss selected global issues using arguments supported by authoritative sources
3. Compare and contrast quantitative and qualitative research methodologies and discuss appropriate applications
4. Research and evaluate sources on global issues for validity and bias
5. Work together to present information and lead a discussion in an academic setting
6. Apply quantitative and/or qualitative research methodologies and analytical skills to research a global issues and suggest possible solutions
7. Communicate information and opinions using effective academic register and language, and awareness of audience
8. Use problem solving skills in groups and teams

**Content:**

| Unit 1 | Introduction to Global Issues |
|--------|-------------------------------|
| Unit 2 | Social Research Methodology   |
| Unit 3 | Report Writing Skills         |

## GAC029 - Psychology II: Introduction to Psychology

**Module Purpose:**

On completion of this module, students should be able to demonstrate knowledge and understanding of the major principles and concepts of psychology as a subject of academic study.

**Learning Outcomes:**

By the end of the module, students should be able to:

1. Describe the principles and history of psychology as an academic field
2. Identify the properties and functions of different emotions, including their similarities and differences
3. Conduct a psychological experiment and create a report of the findings following academic conventions
4. Explain how personality is the result of learned experience
5. Connect the fundamental theories of motivation with behaviour
6. Explain how the human senses work and how our perception interprets sensory input
7. Understand and apply the theories of sleep and consciousness
8. Describe the important structures of the human brain and their various functions

**Content:**

| Unit 1 | What is Psychology        |
|--------|---------------------------|
| Unit 2 | Emotions and Personality  |
| Unit 3 | Sensation and Perception  |
| Unit 4 | The Biology of Behaviour  |

## GAC030 - Psychology III: Research in Psychology

**Module Purpose:**

On completion of this module, students should be able to conduct and interpret academic research across a broad range of topics in psychology. They should also be able to apply academic concepts of psychology to a real-world context.

**Learning Outcomes:**

By the end of the module, students should be able to:

1. Develop and justify a valid methodology for a psychological research project
2. Conduct a psychological research study and create a report of the findings following academic conventions
3. Explain the systems and mechanisms of memory
4. Describe and apply the processes of cognition
5. Compare the various theories of intelligence
6. Explain and apply the process of conditioning to learning
7. Describe the stages of adolescent and adult development
8. Compare individual and group behavior and describe the consequences of conformity

**Content:**

| Unit 1 | Research Skills |
|--------|-----------------|
| Unit 2 | Thinking and Memory |
| Unit 3 | Learning |
| Unit 4 | Social Psychology |

## GAC031 - Social Emotional Learning through Project Based Learning

**Module Purpose:**

On completion of this module, students will have had multiple opportunities to learn, explore and creatively apply different social and emotional learning (SEL) strategies to improve relationships with others, work more efficiently, persevere through challenges, and reflect on the outcomes as they complete a project to make a difference in their school communities.

**Learning Outcomes:**

By the end of the module, students should be able to:

1. Describe the SEL competencies and how they positively impact school, work, and personal life
2. Apply and evaluate strategies to grow in each SEL competency
3. Collaborate with a group to create and share original products improving school culture
4. Reflect on the application of SEL strategies, including analyzing areas of growth and areas needing more practice

**Content:**

| Unit 1 | Introduction to Social Emotional Learning (SEL) |
|--------|-------------------------------------------------|
| Unit 2 | School Service Project Based Learning (PBL) Planning |
| Unit 3 | Design and Develop |
| Unit 4 | Revise and Update |
| Unit 5 | Share, Present, and Reflect |

## GAC032 - Education and Career Navigation:  Finding Your Pathways

**Module Purpose:**

The purpose of this module is for students to engage in self-discovery as they design their college and career futures. The course aims to develop their ability to understand their interests, experiences, and the skills needed to make informed education and career choices that are right for them. Students will have the opportunity to build skills that will help them stand out when applying to college. They will also demonstrate how their personal profile and key action plans are a good fit for their education/career pathways. This course will prepare students to navigate the education and career journey with confidence and success.

**Learning Outcomes:**

By the end of the module, students should be able to:

1. Demonstrate understanding of personal attributes (e.g., interests, strengths, values) important for college and career planning and create a personal profile of attributes
2. Recognize education and career planning supports and barriers, and apply strategies to build up supports and knock down barriers
3. Choose informed education and career goals that best match personal attributes and preferences
4. Find and evaluate colleges that are a good fit and demonstrate skills in responding to college interview topics
5. Develop and evaluate actions on a personalized college and career pathway and evaluate the college application essay
6. Explore and plan to build up career skills and demonstrate how to market skills and a personal brand

**Content:**

| Unit 1 | Create My Profile |
|--------|-------------------|
| Unit 2 | Build Up Your Supports and Knock Down Your Barriers |
| Unit 3 | Connect Your Profile to Your Goals |
| Unit 4 | Find Good Fit Colleges |
| Unit 5 | Develop Your College and Career Pathway |
| Unit 6 | Build Up Your Career Skills |

## GAC033 - Project Based Learning and Research Methods

**Module Purpose:**

On completion of this module, students will collaborate with a team to apply foundational research skills to develop, present, and defend a quality research proposal.

**Learning Outcomes:**

By the end of the module, students should be able to:

1. Create a clear driving question and research question on a topic of interest.
2. Use online tools to search for existing body of research relevant to their topic and develop a literature review.
3. Select research methods appropriate to their topic and design experiment or survey.
4. Synthesize information from multiple sources and draft and revise the key elements of a research proposal.
5. Summarize research proposal and present it to an audience of peers and facilitators.

**Content:**

| Unit 1 | Introducing PBL: The Driving Question |
|--------|---------------------------------------|
| Unit 2 | Inquiry: The Research Methods |
| Unit 3 | Inquiry: Gathering Information |
| Unit 4 | Inquiry: The Research Question |
| Unit 5 | Synthesis: Literature |
| Unit 6 | Synthesis: Proposal/Action Plan |

| Unit 7 | Critique: Peer Review |
|--------|----------------------|
| Unit 8 | Finalize and Share: Final Proposal and Presentation |

## GAC034 - Personal Finance & Entrepreneurship

**Module Purpose:**

Upon completing this module, students should be able to catch a glimpse of how companies work and learn the basics of marketing, business, and finance. Additionally, students will understand how to be financially responsible by learning to analyze costs and expenses long-term through exercises like creating a budget to study abroad.

**Learning Outcomes:**

By the end of the module, students should be able to:

1. Create a personal budget to cope with the cost of living at the university.
2. Apply a decision-making model to maximize consumer satisfaction when buying goods and services.
3. Analyze factors that affect the choice of credit, the cost of credit, and the legal aspects of using credit.
4. Demonstrate and apply an understanding of marketing strategies.
5. Demonstrate an understanding of finance and accounting in its application to business environments.
6. Create a Business Plan for start-up business.

**Content:**

| Unit 1 | Budgeting and Saving |
|--------|---------------------|
| Unit 2 | Spending and Investing |
| Unit 3 | Entrepreneurship |
| Unit 4 | Marketing and Sales Plan |
| Unit 5 | Operations and Personnel |
| Unit 6 | Financial Plan |