الكلية الدولية للهندسة والإدارة
International College of Engineering & Management

ICEM GENERAL FOUNDATION PROGRAMME SPECIFICATION

The Programme Specification provides a detailed summary of the main features of the programme, including its structure, aims, and objectives. It also highlights the expected programme learning outcomes that students are anticipated to achieve through active participation and engagement with the educational opportunities offered. By fully utilizing the resources and guidance provided, students can develop the knowledge, skills, and competencies required to meet the academic and practical demands of the programme, equipping them for future success in their chosen fields.

1. Awarding Institution / Body	International College of Engineering and Management
2. Teaching Institution and Location of Delivery	International College of Engineering and Management, Oman
3. University School/Centre	General Foundation Programme
4. External Accreditation	N/A
5. Title of Final Award	None
6. Modes of Attendance offered	Full Time
7. UCAS Code	N/A
8. Relevant Subject Benchmarking Group(s)	OAAAQA GFP Standards
9. Other external influences	N/A
10. Date of production/revision of this form	AY2024-2025

11. Aims of the Programme

The General Foundation Programme (GFP) at ICEM is designed to

1. Provide learners with a robust foundation of knowledge and skills necessary for successful progression into Higher Education studies.
2. Develop proficiency in the English language, equip learners with essential study skills, and strengthen their knowledge in Science, Mathematics, and Computer Skills.
3. Prepare learners for the cognitive, practical, and communicative demands of academic and professional environments.

12. Programme Learning Outcomes

Upon completing the General Foundation Programme, students will be able to:

1. Communicate proficiently at a level suitable for Higher Education, showcasing advanced skills in paraphrasing, outlining, and summarizing complex texts.
2. Demonstrate a comprehensive understanding of key principles in Science, Mathematics, and IT, applying them to analyze and solve complex real-world problems.
3. Utilize advanced computer applications to create professional reports, dynamic presentations, and data-driven analyses while effectively managing digital resources.
4. Exhibit strong individual and collaborative skills, effectively contributing to and achieving goals within diverse academic and professional contexts.

13. Teaching and Learning Methods

The GFP employs a variety of teaching and learning methods to ensure that students develop the necessary skills and knowledge for higher education. These methods are designed to cater to diverse learning styles and promote active engagement.

1. **Interactive Lectures**
   - Incorporate discussions and questioning to foster understanding of concepts.
   - Use multimedia tools, such as videos and presentations, to enhance comprehension.
2. **Collaborative Learning**
   - Group projects and peer-to-peer learning activities to encourage teamwork and shared knowledge.
   - Role-playing and problem-solving sessions promote critical thinking.
3. **Practical Sessions**
   - Hands-on activities in Science and IT to bridge theory and real-world applications.
   - Laboratory experiments and computer-based tasks to enhance practical skills.
4. **Technology-Integrated Learning**
   - Use of e-learning platform (**Moodle**) for assignments, quizzes, and online discussions.
5. **Guided Independent Study**
   - Development of self-directed learning habits through structured study tasks.
6. **Workshops and Tutorials**
   - Focused sessions on key areas such as academic writing, critical reading, and computational skills.
   - Small group tutorials for personalized support and addressing individual challenges.
7. **Assessment and Feedback Sessions**
   - Regular formative assessments to monitor progress and identify learning gaps.
   - Constructive feedback sessions to guide improvement and clarify doubts.

These methods aim to provide a holistic learning experience, enabling GFP students to achieve academic success and readiness for higher education challenges.

14. Assessment Methods

Formative Assessments:

Focus on providing ongoing feedback to students, helping them improve performance and understanding throughout the programme.

Summative Assessments:

Evaluate overall student performance and achievement at the conclusion of a module or course.

Continuous Assessments:

Regular evaluations conducted at intervals throughout the programme to track progress and ensure consistent engagement.

Practical Assessments:

Emphasize the application of theoretical knowledge and skills in real-life or simulated scenarios.

Technology-Enhanced Assessments:

Use of digital tools and platforms to provide interactive, efficient, and innovative evaluation methods.

Holistic Assessments:

Incorporate a combination of various methods to comprehensively assess a wide range of skills, knowledge, and competencies.

15. Programme Structure

The GFP is designed as a structured pathway for students to become eligible for entry into undergraduate studies at Omani Higher Education Institutions. Spanning **two semesters**, the GFP equips learners with the essential skills and knowledge required for higher education. Upon successful completion of the programme, by passing both **Foundation 1** and **Foundation 2** levels, students will be awarded a **General Foundation Programme Certificate**, signifying their readiness for further academic pursuits.

The table below outlines the structure of the programme for full-time students.

Year	Semester	Module Code	Module Title	Contact Hours per Week	Prerequisites (PT: Placement Test Results)
1	1	ENG01	Foundation English I	18	PT 0-50 marks
		MATH01	Foundation Math I	4	PT 0-50 marks
		IT01	Foundation IT I	4	PT 0-50 marks
		SCI01	Foundation Science I	4	PT 0-50 marks
1	1/2	ENG02	Foundation English II	18	PT 51-94 marks
		MATH02	Foundation Math II	6	PT 51-94 marks
		IT02	Foundation IT II	6	PT 51-94 marks
		SCI02	Foundation Science II	6	PT 51-94marks

16. Admission Criteria

1. **General Secondary Educational Certificate (GSEC) / 12th Standard:**
   Candidates are required to submit their GSEC or equivalent secondary school completion certificate.
2. **Exemption from General Foundation Programme**
   Candidates may be exempted from certain foundation modules by providing the following documents:
   - **Exemption from Foundation English:**
     To be exempted from Foundation English, candidates must submit one of the following:
     - IELTS score of at least 5.0 (with no individual band score lower than 4.5 in writing, speaking, listening, or reading).
     - TOEFL Paper-based score of 510+
     - TOEFL Internet-Based Test (IBT) score of 64+
     - TOEFL Computer-Based Test (CBT) score of 180+
     - TOEFL certificate dated within the last 12 months (Note: TOEFL Institutional Testing Program (ITP) is not accepted).
     - CEFR (Common European Framework of Reference for Languages) level B1.
   - **Exemption from Foundation IT:**
     Candidates may be exempted from Foundation IT by submitting an IC3 or an ICDL Certificate.
   - **Exemption from Foundation Math:**
     To be exempted from Foundation Math, candidates must provide an SAT Certificate.
3. **Additional Notes on Testing:**
   - If ICEM has reason to believe that a submitted TOEFL or IELTS score may not have been obtained under proper testing conditions, the institution reserves the right to require candidates to take the English Placement Test at the College.

- The College will base admission and placement decisions on the results of this placement test.

These exemptions are designed to ensure that candidates have the necessary skills to succeed in higher education studies.

17. Program Skills Map

POs	Knowledge and understanding	Subject-specific skills	Thinking Skills	Other skills relevant to employability and personal development
Communicate proficiently at a level suitable for Higher Education, showcasing advanced skills in paraphrasing, outlining, and summarizing complex texts.		✓	✓	
Demonstrate a comprehensive understanding of key principles in Science, Mathematics, and IT, and apply them to analyze and solve complex real-world problems.	✓	✓		
Utilize advanced computer applications to create professional reports, dynamic presentations, and data-driven analyses while effectively managing digital resources.		✓	✓	
Exhibit strong individual and collaborative skills, effectively contributing to and achieving goals within diverse academic and professional contexts.	✓			✓

18. Curriculum Skills Map

Module Code	POs					
	PO1	PO2	PO3		PO4	
ENG 01	✓		✓	✓	✓	✓
MATH 01		✓	✓	✓	✓	✓
IT 01		✓	✓	✓	✓	✓
SCI01		✓	✓	✓	✓	✓
ENG 02	✓		✓	✓	✓	✓
MATH 02		✓	✓	✓	✓	✓
IT 02		✓	✓	✓	✓	✓
SCI02		✓	✓	✓	✓	✓

19. ICEM Graduate Attributes

ICEM Graduate Attributes

1. **Knowledge of Engineering and Management Disciplines:**
Graduates have comprehensive knowledge and understanding of their field of specialization.
2. **Critical, Analytical and Creative Thinking:**
Graduates demonstrate an ability to think critically and solve problems innovatively.
3. **Leadership and Teamwork:**
Graduates can play constructive leadership roles in their careers and contribute in a collaborative manner to achieve common goals.
4. **Communication Skills:**
Graduates convey ideas and information effectively to a range of audiences for a variety of purposes.
5. **Ethics and Professionalism:**
Graduates use their skills to act in a professional and ethical way and are aware of the importance of ethical standards on personal and social levels.
6. **Lifelong Learning, Research and Innovation:**
Graduates have a commitment to continue research based inspired independent learning.
7. **Global Competitiveness:**
Graduates have skills that help them to be competent in the global job market and to be productive members of their work teams and society.
8. **Technological Literacy:**
Graduates are able to locate, manage, integrate and convey information using appropriate resources, tools and strategies.

20. Programme Outcomes-ICEM Graduate Attributes

Program Outcomes	GA1	GA2	GA3	GA4	GA5	GA6	GA7	GA8
PO1	✓			✓		✓		
PO2		✓						
PO3			✓		✓			
PO4	✓					✓		✓