

UNIVERSITY OF CENTRAL LANCASHIRE

Programme Specification

This Programme Specification provides a concise summary of the main features of the programme and the learning outcomes that a typical student might reasonably be expected to achieve and demonstrate if he/she takes full advantage of the learning opportunities that are provided.

Sources of information on the programme can be found in Section 17

1. Awarding Institution / Body	University of Central Lancashire
2. Teaching Institution and Location of Delivery	Year 1-4: International College of Engineering and Management, Oman Year 4: ICEM and UCLan
3. University School/Centre	School of Engineering
4. External Accreditation	
5. Title of Final Award	BSc (Honours) Fire Safety (Management)
6. Modes of Attendance offered	Full Time, Yrs 1-4 Part Time – Oman (Yrs 1- 3) ; Yr 4- infill only, Sandwich
7. UCAS Code 7b. JACS Code	N/A H121
8. Relevant Subject Benchmarking Group(s)	None specific to Fire Safety, but developed with reference to: Building and Surveying / Engineering
9. Other external influences	Institution of Fire Engineers Energy Institute National Fire Protection Association International Fire Service Accreditation Congress
10. Date of production/revision of this form	June 2022 <i>Considered as part of PR March 2019 – no changes required</i>
11. Aims of the Programme	
<ul style="list-style-type: none"> • To develop expertise in the application of management principles as they relate to fire safety to ensure safe working practises and environments. • To encourage students to approach their academic and subsequent professional careers as creative and innovative individuals • To provide students with the skills necessary to enable them to adapt and contribute to changes and advances in the subject matter and direction of the discipline of fire safety management. • To enable graduates to assess risk and devise protection strategies as they relate to fire safety. • To produce graduates with the ability to command and manage fire safety operations • To produce resourceful, competent, clear thinking graduates with a range of skills and experience relevant to modern industry and commerce and in particular to develop a range of competences and underpinning knowledge for practising professionals in the field of Fire Safety • To enable the graduates to apply their knowledge, understanding and skills to realistic situations. • To develop skills in communication, independent study, team working, problem solving, management and critical thinking which will equip graduates for the world of work and lifelong learning. 	
12. Learning Outcomes, Teaching, Learning and Assessment Methods (The student should be able to:)	
A. Knowledge and Understanding	
A1. Demonstrate knowledge of the main concepts and principles that underpin fire safety management and their application in the workplace.	
A2. Apply the fundamental concepts of fire safety engineering to enable the generation and evaluation of alternative solutions to solve management problems;	
A3. Evaluate the interrelationships between the professional inputs into fire engineering and fire	

<p>project solutions with respect to all applicable managerial, legal, environmental and social parameters</p> <p>A4. Apply and integrate knowledge and understanding from a variety of engineering disciplines into the context of fire safety management</p>
<p>Teaching and Learning Methods</p> <p>Traditional Lectures often followed by directed self-study; Seminars/tutorials; Laboratory activities; Practical/Competency based activities; Lectures and demonstrations from practising professionals; Directed project and investigative work both individually and in groups; Group discussions.</p>
<p>Assessment methods</p> <p>Written assessments; Examinations; Technical Reports; Case study/Scenario based analysis.</p>
<p>B. Subject-specific skills</p> <p>B1. Critically evaluate ideas, proposals and solutions or arguments independently and/or collaboratively in response to set scenarios and/or self-initiated activity.</p> <p>B2. Evaluate whether managerial solutions integrate social, legal, engineering and technical requirements.</p> <p>B3. Apply specialist fire safety knowledge to design problems and to ensure safe working environments.</p> <p>B4. Identify areas of research and conduct independent research on appropriate fire safety project.</p> <p>B5. Formulate and produce creative and innovative solutions to fire fighting operation and investigation problems by applying command and management principles to real situations.</p>
<p>Teaching and Learning Methods</p> <p>Traditional Lectures often followed by directed self-study; Seminars/tutorials; Laboratory activities; Practical/Competency based activities; Lectures and demonstrations from practising professionals; Directed project and investigative work both individually and in groups; Group discussions.</p>
<p>Assessment methods</p> <p>Group and individual presentations; Mini projects; Reports; Examinations; Assignments; Laboratory investigations; Case study/Scenario based analysis; Competency tests.</p>
<p>C. Thinking Skills</p> <p>C1. Critically evaluate standard practice, and apply professional judgment in making recommendations and solving problems for future best practise.</p> <p>C2. Identify and analyse broadly defined problems, evaluate possible optional strategies, design and optimise appropriate solutions.</p> <p>C3. Demonstrate the capability for independent and lifelong learning in a professional career.</p> <p>C4. Select, collate, interpret and evaluate information from a range of sources.</p>
<p>Teaching and Learning Methods</p> <p>Traditional Lectures often followed by directed self-study; Seminars/tutorials; Laboratory activities; Practical/Competency based activities; Lectures and demonstrations from practising professionals; Directed project and investigative work both individually and in groups; Group discussions.</p>
<p>Assessment methods</p> <p>Written assessments; Integrated assignments; Examinations; Technical Reports; Presentations; Competency tests</p>
<p>D. Other skills relevant to employability and personal development</p> <p>D1. Research and evaluate a wide range of sources of information from text books, journals, the media, CD Rom, newspapers, internet, technical indexes, catalogues, Standards, case law.</p> <p>D2. Complete reports in a succinct and coherent format, and conduct and present individual research projects.</p> <p>D3. Work independently and within a team.</p> <p>D4. Communicate appropriately to a variety of audiences using a range of formats and approaches.</p> <p>D5. Identify and work towards targets for personal, academic and professional development.</p> <p>D6. Use IT literacy including Computational Fluid Dynamics</p>
<p>Teaching and Learning Methods</p> <p>Traditional Lectures often followed by directed self-study; Seminars/tutorials; Laboratory activities; Practical/Competency based activities; Lectures and demonstrations from practising professionals; Directed project and investigative work both individually and in groups; Group discussions.</p>
<p>Assessment methods</p> <p>Reports, Presentations, Working in teams, Integrated assignments, Mini projects.</p>

13. Programme Structures*				14. Awards and Credits*
Level	Module Code	Module Title	Credit rating	
Level 6	FV3001	Enclosure Fire Dynamics*	20	B.Sc. (Honours) Fire Safety (Management) Requires 480 credits with 360 credits at Stage 2; including a minimum of 480 credits at level 4 or above, 360 credits at level 5 or above, and 180 credits at level 6 or above. Students who successfully complete OM3000 will receive the award with Industrial Placement.
	FV3002	Fire Protection Engineering *(option)	20	
	BN3720	OR Health and Safety Management(option)	20	
	FV3101	Strategic Risk Decision Making*	20	
	FV3103 FV3500	Hazards and Risk Management* Fire Studies Dissertation*	20 40	
<i>*Modules offered in Oman</i>				
Level 5/6	OM3022	Research Methods and Statistics	20	Advanced Diploma in Fire Safety (Management) Requires 360 credits with 240 credits at stage 2; including a minimum of 360 credits at level 4 or above, 240 credits at level 5 or above, and 60 credits at level 6 or above. Students who successfully complete OM1040 will receive the award with Industrial Experience
	OM2055	Personal and Professional Development 2	20	
	OM2023 OM3010	Fire Safety in Buildings Risk Assessment and Management	20 20	
	OM3011	Disaster Mitigation and Emergency Management	20	
	OM3024	Fire Modelling and Smoke Control in Buildings	20	
	OM3000	Industrial Placement (Option)	120 notional credits	
Level 5	OM2029	Fire Science	20	Diploma of Higher Education in Fire Safety (Management) Requires 240 credits with 120 credits at stage 2; including a minimum of 240 credits at Level 4 or above, and 120 credits at Level 5 or above. Students who successfully complete OM1040 will receive the award with Industrial Experience
	OM2017	Command and Management 2	20	
	OM2074	Safety in Oil and Gas Industries	20	
	OM2024	Mathematics 1	20	
	OM2028	Fire Fighting and Operations	20	
	OM2054	Professional Development and Entrepreneurship	20	
	OM1040	Industrial Experience (Option)	20 notional credits	
Level 4	OM1014	Command and Management 1	20	Certificate of Higher Education Requires 120 credits including a minimum of 120 at Level 4.
	OM1015	Health and Safety Management	20	
	OM1023	Fundamentals of Fire Fighting:	20	
	OM1024	Introduction to Fire Safety and Law	20	
	OM1055	Personal and Professional Development 1	20	
	OM1026	Science and Mathematics for Fire Engineering	20	
15. Personal Development Planning				
The modules at each level provide students with the opportunity to engage with their own personal development planning and to recognise that learning is a lifelong process.				

Following appropriate introduction and induction, the Course Team will support students in reflecting on their learning, performance and achievement, and in their planning for personal, educational, and career development.

Skills in PDP such as self-reflection, recording, target setting, action planning and monitoring will be highlighted as key lead indicators of success in securing and successfully completing the Industrial Placement Period and in securing employment in the industry on graduation.

Over the duration of the course, and including reference to extra-curricular student activities, Module Tutors for Communications and Personal Tutors will take formal responsibility for supporting students through their personal development in the following areas:

- Self Awareness
- Study Skills
- Reviewing Progress
- Career Plans
- Making Applications

For students who undertake the Industrial Placement module, the tutors for this module will also focus attention on PDP.

Web based resource materials to be used include:

Personal Development Planning www.uclan.ac.uk/ldu/resources/pdp/intro1.htm
Skills Learning Resources www.uclan.ac.uk/lskills/TLTP3/entersite.html

The work in PDP will not be assessed.

16. Admissions criteria

1. Applicants will normally have completed 12 years of secondary schooling and having followed Pure/Applied Mathematics stream, or the equivalent, with a grade of D or higher in Mathematics, Physics, Chemistry and English for Omani General Diploma Certificate. In addition, all applicants will be interviewed and complete a diagnostic Entry Test/ Placement Test in English Language, Mathematics and Science to assess their ability to complete the programme. Applicants will be required to have a minimum average level of proficiency in English Language equivalent to IELTS band 5.0 with no band in any of the four skills (reading, listening, speaking writing) lower than 4.5. The programme includes structured provision for further development of English language skills.

OR

2. Students who have successfully completed a Foundation year at the International College of Engineering & Management in Oman will have undertaken final assessments in English Language (equivalent to IELTS band 5.0 with no band in any of the four skills - reading, listening, speaking writing, lower than 4.5) and will have demonstrated the level of proficiency in all areas required for admission onto the programme.

APL/APEL will be assessed through standard University procedures.

17. Key sources of information about the programme

- ICEM Marketing Brochure
- ICEM Website at www.icemoman.com
- School web site at www.uclan.ac.uk/schools/engineering/index.php
- University courses information at www.uclan.ac.uk/courses/index.php
- Professional body requirements may be found at www.ife.org.uk

18. Curriculum Skills Map																							
Please tick in the relevant boxes where individual Programme Learning Outcomes are being assessed																							
Level	Module Code	Module Title	Core (C), Compulsory (COMP) or Option (O)	Programme Learning Outcomes																			
				Knowledge and understanding				Subject-specific Skills					Thinking Skills				Other skills relevant to employability and personal development						
				A1	A2	A3	A4	B1	B2	B3	B4	B5	C1	C2	C3	C4	D1	D2	D3	D4	D5	D6	
LEVEL 6	FV3001	Enclosure Fire Dynamics*	Comp		✓		✓	✓	✓	✓				✓	✓		✓					✓	
	FV3002	Fire Protection Engineering*	O	✓	✓		✓	✓	✓			✓	✓	✓	✓		✓	✓					
	BN3720	Health and Safety Management	O		✓	✓	✓	✓		✓						✓							
	FV3101	Strategic Risk Decision Making*	Comp		✓			✓	✓	✓				✓			✓	✓	✓	✓			
	FV3103	Hazards and Risk Management*	Comp	✓		✓		✓	✓	✓			✓	✓					✓				
	FV3500	Fire Studies Dissertation*	Core	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
LEVEL 5/6	OM3010	Risk Assessment and Management	Comp			✓		✓		✓			✓	✓									
	OM3011	Disaster Mitigation and Emergency Management	Comp	✓		✓			✓	✓		✓			✓				✓	✓			
	OM3024	Fire Modelling and Smoke Control in Buildings	Comp	✓			✓		✓					✓			✓		✓			✓	
	OM3022	Research Methods and Statistics	Comp				✓		✓		✓			✓		✓							
	OM2055	Personal and Professional Development 2	Comp											✓			✓	✓	✓	✓	✓	✓	✓
	OM2023	Fire Safety in Buildings	Comp		✓		✓	✓		✓				✓				✓	✓	✓			

*Modules offered at Oman

Level	Module Code	Module Title	Core (C), Compulsory (COMP) or Option (O)	Programme Learning Outcomes																		
				Knowledge and understanding				Subject-specific Skills				Thinking Skills				Other skills relevant to employability and personal development						
LEVEL 4/5	OM2029	Fire Science	Comp	✓	✓		✓									✓			✓			
	OM2017	Command and Management 2	Comp	✓		✓				✓								✓				
	OM2074	Safety in Oil and Gas Industries	Comp	✓				✓					✓				✓	✓	✓			
	OM2024	Mathematics 1	Comp				✓						✓									
	OM2028	Fire Fighting and Operations	Comp					✓	✓	✓		✓	✓		✓				✓			
	OM2054	Professional Development and Entrepreneurship	Comp												✓	✓	✓	✓	✓	✓	✓	
LEVEL 4	OM1014	Command and Management 1	Comp	✓		✓				✓							✓					
	OM1015	Health and safety Management	Comp	✓					✓	✓		✓						✓				
	OM1023	Fundamentals of fire Fighting	Comp	✓					✓	✓		✓		✓				✓		✓		
	OM1024	Introduction to Fire safety and Law	Comp	✓		✓		✓	✓					✓				✓				
	OM1055	Personal and Professional Development 1	Comp											✓	✓	✓	✓	✓	✓	✓		
	OM1026	Science and Mathematics for Fire Engineering	Comp	✓			✓											✓				

19. LEARNING OUTCOMES FOR EXIT AWARDS:

For each exit award available, list learning outcomes relating to the knowledge and understanding, subject specific skills, thinking, other skills relevant to employability and personal development that a typical student might be expected to gain as a result of successfully completing each level of a course of study.

Learning outcomes for the award of Certificate of Higher Education

A1. Demonstrate knowledge of the main concepts and principles that underpin fire safety management and their application in the workplace.

A3. Evaluate the interrelationships between the professional inputs into fire engineering and fire project solutions with respect to all applicable managerial, legal, environmental and social parameters

A4. Apply and integrate knowledge and understanding from a variety of engineering disciplines into the context of fire safety management.

B1. Critically evaluate ideas, proposals and solutions or arguments independently and/or collaboratively in response to set scenarios and/or self-initiated activity.

B2. Evaluate whether managerial solutions integrate social, legal, engineering and technical requirements.

B3. Apply specialist fire safety knowledge to design problems and to ensure safe working environments.

B5. Formulate and produce creative and innovative solutions to fire fighting operation and investigation problems by applying command and management principles to real situations.

C1. Critically evaluate standard practice, and apply professional judgment in making recommendations and solving problems for future best practise.

C3. Demonstrate the capability for independent and lifelong learning in a professional career.

C4. Select, collate, interpret and evaluate information from a range of sources.

D1. Research and evaluate a wide range of sources of information from text books, journals, the media, CD Rom, newspapers, internet, technical indexes, catalogues, Standards, case law.

D2. Complete reports in a succinct and coherent format, and conduct and present individual research projects.

D3. Work independently and within a team.

D4. Communicate appropriately to a variety of audiences using a range of formats and approaches.

D5. Identify and work towards targets for personal, academic and professional development.

Learning outcomes for the award of Diploma of Higher Education in Fire Safety (Management)

A1. Demonstrate knowledge of the main concepts and principles that underpin fire safety management and their application in the workplace.

A2. Apply the fundamental concepts of fire safety engineering to enable the generation and evaluation of alternative solutions to solve management problems;

A3. Evaluate the interrelationships between the professional inputs into fire engineering and fire project solutions with respect to all applicable managerial, legal, environmental and social parameters

A4. Apply and integrate knowledge and understanding from a variety of engineering disciplines into the context of fire safety management.

B1. Critically evaluate ideas, proposals and solutions or arguments independently and/or collaboratively in response to set scenarios and/or self-initiated activity.

B2. Evaluate whether managerial solutions integrate social, legal, engineering and technical requirements.

B3. Apply specialist fire safety knowledge to design problems and to ensure safe working environments.

B5. Formulate and produce creative and innovative solutions to fire fighting operation and investigation problems by applying command and management principles to real situations.

C1. Critically evaluate standard practice, and apply professional judgment in making recommendations and solving problems for future best practise.

C3. Demonstrate the capability for independent and lifelong learning in a professional career.

C4. Select, collate, interpret and evaluate information from a range of sources.

D1. Research and evaluate a wide range of sources of information from text books, journals, the media, CD Rom, newspapers, internet, technical indexes, catalogues, Standards, case law.

D2. Complete reports in a succinct and coherent format, and conduct and present individual research projects.

D3. Work independently and within a team.

D4. Communicate appropriately to a variety of audiences using a range of formats and approaches.

D5. Identify and work towards targets for personal, academic and professional development.

Learning outcomes for the award of Advanced Diploma in Fire Safety (Management)

A1. Demonstrate knowledge of the main concepts and principles that underpin fire safety management and their application in the workplace.

A2. Apply the fundamental concepts of fire safety engineering to enable the generation and evaluation of alternative solutions to solve management problems;

A3. Evaluate the interrelationships between the professional inputs into fire engineering and fire project solutions with respect to all applicable managerial, legal, environmental and social parameters

A4. Apply and integrate knowledge and understanding from a variety of engineering disciplines into the context of fire safety management.

B1. Critically evaluate ideas, proposals and solutions or arguments independently and/or collaboratively in response to set scenarios and/or self-initiated activity.

B2. Evaluate whether managerial solutions integrate social, legal, engineering and technical requirements.

B3. Apply specialist fire safety knowledge to design problems and to ensure safe working environments.

B4. Identify areas of research and conduct independent research on appropriate fire safety project.

B5. Formulate and produce creative and innovative solutions to fire fighting operation and investigation problems by applying command and management principles to real situations.

C1. Critically evaluate standard practice, and apply professional judgment in making recommendations and solving problems for future best practise.

C2. Identify and analyse broadly defined problems, evaluate possible optional strategies, design and optimise appropriate solutions.

C3. Demonstrate the capability for independent and lifelong learning in a professional career.

C4. Select, collate, interpret and evaluate information from a range of sources.

D1. Research and evaluate a wide range of sources of information from text books, journals, the media, CD Rom, newspapers, internet, technical indexes, catalogues, Standards, case law.

D2. Complete reports in a succinct and coherent format, and conduct and present individual research projects.

D3. Work independently and within a team.

D4. Communicate appropriately to a variety of audiences using a range of formats and approaches.

D5. Identify and work towards targets for personal, academic and professional development.

D6. Use IT literacy including Computational Fluid Dynamics

UNIVERSITY OF CENTRAL LANCASHIRE

PROGRAMME SPECIFICATION

This Programme Specification provides a concise summary of the main features of the programme and the learning outcomes that a typical student might reasonably be expected to achieve and demonstrate if he/she takes full advantage of the learning opportunities that are provided.
Sources of information on the programme can be found in Section 17

1. Awarding Institution / Body	University of Central Lancashire
2. Teaching Institution and Location of Delivery	International College of Engineering & Management, Oman (Years 1 – 4) UCLan Preston Campus (year 4)
3. University School/Centre	Engineering
4. External Accreditation	Institute of Occupational Safety and Health (IOSH) applicable to Year 3/4 at ICEM only
5. Title of Final Award	BSc Hons Health, Safety and Environmental Management
6. Modes of Attendance offered	Full Time, Yrs 1-4 Part-Time – Oman (Yrs 1- 3); Yr 4- infill only Sandwich
7a) UCAS Code	N/A
7b) JACS code	F751
8. Relevant Subject Benchmarking Group(s)	Environmental Studies section of ES3
9. Other external influences	National Examination Board of Occupational Health (NEBOSH), Institute of Occupational Safety and Health (IOSH)
10. Date of production/revision of this form	June 2022
11. Aims of the Programme	
<ul style="list-style-type: none"> • To produce resourceful, competent, clear thinking graduates with a range of skills and experience relevant to modern industry and commerce and in particular to develop a range of competences and underpinning knowledge for practising professionals in the field of health, safety and environmental management. • To develop an understanding of the subject of health, safety and environment from a multidisciplinary and interdisciplinary perspective. • To enable the graduates to apply their knowledge, understanding and skills to realistic situations and particularly in the context of the GCC region. • To develop skills in communication, independent study, team working, problem solving, management and critical thinking which will equip graduates for the world of work and lifelong learning. 	

Learning Outcomes, Teaching, Learning and Assessment Methods
A. Knowledge and Understanding
A1. Evaluate the main concepts and principles that underpin Health, Safety and Environmental management and their application in the workplace. A2. Describe and apply concepts of the global and local impact of environmental risk and hazards and human responses to environmental problems. A3. Evaluate the interrelationships between the professional inputs and the role of institutions, organisations and other stakeholders in managing and regulating Health and Safety at work and human interaction with the environment. A4. Apply and integrate knowledge and understanding from a variety of disciplines of Health, Safety and Environment in the workplace. A5. Demonstrate the capability for independent learning and life long learning in a professional career.
Teaching and Learning Methods
Traditional Lectures often followed by directed self study; Seminars/tutorials; Laboratory activities; Industrial visits and lectures from practising industrialists; Directed project and investigative work both individually and in groups; Group discussions.
Assessment methods
Written assessments; Examinations; Technical Reports; Integrated assignments; Case study analysis; Essays; Seminar presentation.
B. Subject-specific skills
B1. Apply practical skills and techniques appropriate to working as a professional practitioner of Health, Safety and Environment in an organisation. B2. Critically appraise current attitudes and methods and adopt a creative and innovative approach to Health, Safety and Environmental Management. B3. Plan, conduct, and report on investigations, including the use of secondary data, and to undertake such investigations in a responsible and safe manner, paying due attention to risk assessment, rights of access, relevant health and safety regulations, and to display sensitivity to the impact of investigations on the environment and stakeholders.
Teaching and Learning Methods
Traditional Lectures often followed by directed self study; Seminars/tutorials; Laboratory activities; Industrial visits and lectures from practising industrialists; Directed project and investigative work both individually and in groups; Group discussions.
Assessment methods
Group and individual presentations; Mini projects; Reports; Examinations; Integrated assignments; Laboratory investigations; Case study/Scenario based analysis; Competency tests.
C. Thinking Skills
C1. Select, collate, interpret and evaluate information from a range of sources. C2. Interpret and analyse qualitative and quantitative data relating to complex problems and issues. C3. Identify and analyse broadly defined problems, evaluate possible optional strategies, design and optimise appropriate solutions. C4. Critically reflect upon the body of knowledge, methodologies, procedures and legislation related to Health, Safety and Environment and communicate the impact of these to individuals at different levels in an organisation.
Teaching and Learning Methods
Directed self study; Seminars/tutorials; Laboratory activities; Industrial visits and lectures from practising industrialists; Project and investigative work both individually and in groups; Group discussions.
Assessment methods
Reports; Integrated assignments; Case study analysis; Seminar presentation; Examinations.
D. Other skills relevant to employability and personal development
D1. Research and evaluate a wide range of sources of information from text books, journals, the media, CD Rom, newspapers, internet, technical indexes, catalogues, Standards, case law. D2. Complete reports in a succinct and coherent format, and conduct and present individual research projects. D3. Work autonomously and with others. D4. Communicate appropriately to a variety of audiences using a range of formats and approaches. D5. Identify and work towards targets for personal, academic and professional development.
Teaching and Learning Methods
Traditional Lectures often followed by directed self study; Seminars/tutorials; Directed project and investigative work both individually and in groups; Group discussions.
Assessment methods
Reports; Presentations; Integrated assignments; Reflective log; Mini projects.

13. Programme Structures*				14. Awards and Credits*
Level	Module Code	Module Title	Credit rating	
Level 6	FV3990	Management Dissertation	20	BSc (Honours) Health, Safety and Environmental Management Requires 480 credits with 360 credits at Stage 2; including a minimum of 480 credits at level 4 or above, 360 credits at level 5 or above, and 180 credits at level 6 or above. Students who successfully complete OM3000 will receive the award with Industrial Placement
	NT3010	Environmental Impact Assessment	20	
	FV3101	Strategic Risk Decision Making	20	
	FZ3605	Carbon and Energy Management	20	
	BN3720	Health and Safety Management	20	
	FV3103	Hazards and Risk Management	20	
Level 5/6	OM3070	Occupational Health, Safety and Environmental Management 3	20	Advanced Diploma Health, Safety and Environmental Management Requires 360 credits with 240 credits at stage 2; including a minimum of 360 credits at level 4 or above, 240 credits at level 5 or above, and 60 credits at level 6 or above. Students who successfully complete OM1040 will receive the award with Industrial experience
	OM3071	Human Factors in Health and Safety	20	
	OM3072	Introduction to Research and Innovation	20	
	OM2071	Safety Technology	20	
	OM2055	Personal and Professional Development 2	20	
	OM2073	Sustainability and Built Environment	20	
	OM3000	Industrial Placement (Option)	120	
Level 5	OM2063	Health, Safety and Environmental Management	20	Diploma of Higher Education in Health, Safety and Environmental Management Requires 240 credits with 120 credits at stage 2; including a minimum of 240 credits at Level 4 or above, and 120 credits at Level 5 or above. Students who successfully complete OM1040 will receive the award with Industrial experience
	OM2074	Safety in Oil and Gas Industries	20	
	OM2079	Safety in construction and demolition	20	
	OM2072	Law and Management	20	
	OM2078	Occupational Health and Industrial Hygiene	20	
	OM2054	Professional Development and Entrepreneurship	20	
	OM1040	Industrial Experience (Optional)	20	
Level 4	OM1075	Health, Safety and Environment in the Workplace	20	Certificate of Higher Education Requires 120 credits at Level 4. (Stage 1)
	OM1071	Principles of Science and Mathematics	20	
	OM 1076	Introduction to Health and Safety	20	
	OM1077	Environmental Science and Sustainability	20	
	OM1074	Fire Risk Management	20	
	OM1055	Personal and Professional Development1	20	

15. Personal Development Planning

The modules at each level provide students with the opportunity to engage with their own personal development planning and to recognise that learning is a lifelong process.

Following appropriate introduction and induction, the Course Team will support students in reflecting on their learning, performance and achievement, and in their planning for personal, educational, and career development.

Skills in PDP such as self-reflection, recording, target setting, action planning and monitoring will be highlighted as key lead indicators of success in securing employment on graduation.

Over the duration of the course, and including reference to extra-curricular student activities, tutors for the Personal and Professional Development modules and Personal Tutors will take formal responsibility for supporting students through their personal development in the following areas:

- Self Awareness
- Study Skills
- Reviewing Progress
- Career Plans
- Making Applications

The work in PDP will not be assessed.

16. Admissions criteria

International College of Engineering & Management, Oman students

1. Applicants will normally have completed 12 years of secondary schooling and having followed Applied/Pure Mathematics stream, or the equivalent, with a grade of D or higher in Mathematics, Physics or Chemistry and English English for Omani General Diploma Certificate. In addition, all applicants will be interviewed and complete a diagnostic entry test in English Language, Mathematics and Science to assess their ability to complete the programme. Applicants will be required to have a minimum average level of proficiency in English Language equivalent to IELTS band 5.0 with no band in any of the four skills (reading, listening, speaking writing) lower than 4.5. The programme includes structured provision for further development of English language skills.

OR

2. Students who have successfully completed a Foundation year at the International College of Engineering & Management in Oman will have undertaken final assessments in English Language (equivalent to IELTS band 5.0 with no band in any of the four skills - reading, listening, speaking writing, lower than 4.5) and will have demonstrated the level of proficiency in all areas required for admission onto the programme.

APL/APEL will be assessed through standard University procedures.

17. Key sources of information about the programme

- ICEM Marketing Brochure
- ICEM Website

18. Curriculum Skills Map

Please tick in the relevant boxes where individual Programme Learning Outcomes are being assessed

Level	Module Code	Module Title	Compulsory (COMP) or Option (O)	Programme Learning Outcomes																
				Knowledge and understanding					Subject-specific Skills			Thinking Skills				Other skills relevant to employability and personal development				
				A1	A2	A3	A4	A5	B1	B2	B3	C1	C2	C3	C4	D1	D2	D3	D4	D5
LEVEL 6	FV3990	Management Dissertation	COMP	✓			✓	✓		✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
	NT3010	Environmental Impact Assessment	COMP		✓					✓	✓				✓				✓	
	NT3050	Carbon and Energy Management	COMP			✓	✓		✓		✓	✓			✓			✓	✓	
	BN3720	Health and Safety Management	COMP		✓	✓	✓		✓		✓				✓				✓	
	FV3103	Hazards And Risk Management	COMP		✓	✓	✓		✓		✓				✓				✓	
	FV3101	Strategic Risk Decision Making	COMP	✓	✓	✓			✓				✓	✓						
LEVEL 5 /6	OM3071	Human Factors in Health and Safety	COMP			✓			✓	✓	✓		✓	✓	✓					
	OM3070	Occupational Health, Safety and Environmental Management	COMP	✓		✓	✓		✓	✓	✓				✓					✓
	OM3072	Introduction to Research and Innovation	COMP		✓	✓		✓			✓	✓	✓	✓		✓	✓			
	OM2055	Personal and Professional Development 2	COMP								✓	✓			✓	✓	✓	✓		
	OM2073	Sustainability and Built Environment	COMP	✓	✓					✓					✓	✓				
	OM2071	Safety Technology	COMP				✓		✓		✓		✓	✓						
LEVEL 5	OM2074	Safety in Oil and Gas Industries	COMP	✓			✓		✓						✓					
	OM 2054	Professional Development and Entrepreneurship	COMP					✓				✓	✓		✓	✓	✓	✓	✓	✓
	OM2063	Health, Safety and Environmental Management	COMP	✓		✓			✓		✓			✓						
	OM2078	Occupational health & Industrial Hygiene	COMP		✓	✓	✓		✓			✓			✓	✓		✓	✓	
	OM2072	Law and Management	COMP			✓					✓				✓					
	OM2079	Safety in Construction and Demolition	COMP	✓					✓		✓	✓				✓		✓	✓	

LEVEL 4	OM1075	Health, Safety and Environment in the workplace	COMP	✓		✓			✓		✓			✓						
	OM1071	Principles of Science and Mathematics	COMP						✓		✓		✓							
	OM 1076	Introduction to Health and Safety	COMP						✓		✓	✓	✓	✓	✓	✓			✓	✓
	OM1077	Environmental Science and Sustainability	COMP	✓					✓				✓							
	OM1074	Fire Risk Management	COMP						✓		✓			✓	✓					✓
	OM1055	Personal and Professional Development 1	COMP					✓				✓				✓	✓	✓	✓	✓

19. LEARNING OUTCOMES FOR EXIT AWARDS:

Learning outcomes for the award of Certificate of Higher Education:

- A1. Evaluate the main concepts and principles that underpin Health, Safety and Environmental management and their application in the workplace.
- A2. Describe and apply concepts of the global and local impact of environmental risk and hazard and human response to environmental problems
- B1 Apply practical skills and techniques appropriate to working as a professional practitioner of Health, Safety and Environment in an organisation.
- C1..Select, collate, interpret and evaluate information from a range of sources.
- D1 Research and evaluate a wide range of sources of information from text books, journals, the media, CD Rom, newspapers, internet, technical indexes, catalogues, Standards, case law.

Learning outcomes for the award of Diploma of Higher Education:

- A1. Evaluate the main concepts and principles that underpin Health, Safety and Environmental management and their application in the workplace.
- A2. Describe and apply concepts of the global and local impact of environmental risk and hazards and human responses to environmental problems.
- B1. Apply practical skills and techniques appropriate to working as a professional practitioner of Health, Safety and Environment in an organisation.
- C1. Select, collate, interpret and evaluate information from a range of sources.
- C2. Interpret and analyse qualitative and quantitative data relating to complex problems and issues.
- D1. Research and evaluate a wide range of sources of information from text books, journals, the media, CD Rom, newspapers, internet, technical indexes, catalogues, Standards, case law.
- D2. Complete reports in a succinct and coherent format, and conduct and present individual research projects.
- D3. Work independently and within a team.

Advanced Diploma Health, Safety and Environmental Management

- A1. Evaluate the main concepts and principles that underpin Health, Safety and Environmental management and their application in the workplace.
- A2. Describe and apply the concepts of the global and local impact of environmental risk and hazards and human responses to environmental problems.
- A3. Evaluate the interrelationships between the professional inputs and the role of institutions, organisations and other stakeholders in managing and regulating Health and Safety at work and human interaction with the environment.
- B1. Apply practical skills and techniques appropriate to working as a professional practitioner of Health, Safety and Environment in an organisation.
- B2. Critically appraise current attitudes and methods and adopt a creative and innovative approach to Health, Safety and Environmental Management
- C1. Select, collate, interpret and evaluate information from a range of sources.
- C2. Interpret and analyse qualitative and quantitative data relating to complex problems and issues.
- C3. Identify and analyse broadly defined problems, evaluate possible optional strategies, design and optimise appropriate solutions.
- D1. Research and evaluate a wide range of sources of information from text books, journals, the media, CD Rom, newspapers, internet, technical indexes, catalogues, Standards, case law.
- D2. Complete reports in a succinct and coherent format, and conduct and present individual research projects.
- D3..Work independently and within a team.
- D4. Communicate appropriately to a variety of audiences using a range of formats and approaches.
- D5. Identify and work towards targets for personal, academic and professional development