



## Master Programs QFE Alignment

### Introduction

The National Qualifications Authority (NQA) has established a national framework of qualifications in order to bring coherence to the award system and relate all education and training awards to each other. The framework has a structure of ten levels with each level based on specified standards of knowledge, skills and competence. These standards define the outcomes to be achieved by learners seeking to gain awards at each level. Levels 7, 9, and 10 define the set of learning outcomes for Bachelor, Master, and Doctorate degrees respectively, which are categorised into the following three strands:

Strand	Sub-strand	Description
Knowledge (K)	Breadth	How broad is the learner's knowledge?
	Type	What characteristics and quality of knowing has the learner engaged in?
Skill (S)	Range	What is the breadth of the physical, intellectual, social and other skills acquired by the learner?
	Selectivity	How does the learner select the skills learned to address a range of problems? What is the nature of the complexity of the problems and how does the learner engage with them?
Competence	Autonomy and responsibility (AR)	How does the learner demonstrate the taking of responsibility personally and in groups? How does the learner deploy skills acquired in managing interactions with others and working on their own?
	Self-development (SD)	To what extent can the learner operate in new environments, acquire new knowledge and skills; and assimilate these to their existing body of knowledge and skills?
	Role in Context (RC)	Can the learner apply/deploy their knowledge and skills in a range of relevant contexts?

### Generic Qualification Profile 9.1 (Master Degree)

<b>Knowledge</b>	Comprehensive, highly specialised knowledge in a discipline and/or professional practice, and at the interface between different fields, including frontier concepts and recent developments as well as advanced knowledge of applicable research principles and methods and critical awareness of knowledge issues, as the basis for original thinking encompassing appropriate processes of enquiry and current processes of knowledge production. Detailed body of knowledge of recent developments in a discipline
<b>Skill</b>	Advanced skills in the discipline to: <ul style="list-style-type: none"> <li>• research, analyse, evaluate and/or innovate complex ideas, information, concepts and/or activities</li> <li>• develop new knowledge and procedures and integrate knowledge from different fields using highly developed cognitive and creative skills and intellectual independence</li> <li>• analyse complex issues with incomplete data and problem-solve and develop innovative solutions and proposals relevant to an academic/professional field</li> <li>• problem-solve in order to plan, develop and execute a major project or comparable activities (that includes a significant range of variables and complexity) with appropriately selected research methodologies producing sound conclusions, and</li> <li>• present, explain and/or critique highly complex matters using highly developed specialist communication and information technology skills.</li> </ul>
<b>Autonomy and Responsibility</b>	Can function autonomously and/or take responsibility for: <ul style="list-style-type: none"> <li>• evaluating the management of professional practices, processes or systems, or learning contexts that are highly complex, unpredictable and unfamiliar, and require new strategic approaches and/or intervention or conceptual abstract solutions</li> <li>• monitoring of high level governance of processes and systems, and</li> <li>• analysing and reflecting on socio-cultural norms and relationships and act to build and transform them.</li> </ul>
<b>Role in context</b>	Can evaluate professional activities that may include a highly complex environment and take responsibility for developing measures for the strategic performance and development of professional teams and self.
<b>Self-development</b>	Can self-evaluate and take responsibility for: <ul style="list-style-type: none"> <li>• contributing to professional knowledge and practice including unfamiliar learning contexts, or</li> <li>• developing and implementing further learning consistently and sensitively in accord with ethical standards.</li> </ul>

## Master of Science in Food Science

PLOS	K	S	AR	RC	SD
PLO-1: Discuss advanced concepts, theories, and emerging food science methodologies.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLO-2: Apply core knowledge of food science to identify problems and propose solutions in the field	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLO-3: Design and conduct scientific research in the field of food science, and use quantitative methods to analyze results.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
PLO-4: Communicate scientific and technical knowledge in written and oral forms to diverse audiences.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLO-5: Demonstrate knowledge of food science contemporary issues, ethics, and professional responsibility.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

## Master of Science in Horticulture

PLOS	K	S	AR	RC	SD
PLO-1: Discuss contemporary issues related to horticultural challenges.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
PLO-2: Evaluate horticultural components, processes and the role of anthropogenic factors.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLO-3: Evaluate available resources, issues and challenges related to horticultural in UAE.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLO-4: Design and conduct scientific horticulture research, and use quantitative methods to analyze results.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLO-5: Demonstrate the ability to apply knowledge and skills to resolve problems, creatively and independently.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
PLO-6: Evaluate issues of ethical behavior in science, critically and reflectively.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
PLO-7: Demonstrate strong written and oral presentation skills.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

## Master of Professional Accounting

PLOS	K	S	AR	RC	SD
PLO-1: Demonstrate a highly developed professional oral presentation of information, criticizing substantively complex matters in accounting accompanied by appropriate technology.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLO-2: Demonstrate abilities to communicate effectively in writing, using information technology to the production of highly developed professional written materials on substantively complex matters in accounting.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLO-3: Apply advanced technologies and techniques (qualitative/quantitative) to the collection and analysis of financial and non-financial information and deriving appropriate decisions in various accounting fields.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLO-4: Critically interpret information, through accurate identification of accounting complex problems, and suggestion of accounting-based innovative solutions.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLO-5: Demonstrate autonomy, responsibility, and creativity in planning and executing major projects in their work.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLO-6: Demonstrate ability to work in teams, showing leadership and direction, appropriate to complex accounting environment settings.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
PLO-7: Apply professional standards and codes of conduct at national and international levels.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
PLO-8: Relate complex ethical issues consistently, reflecting social responsibility, and leading to informed, fair and valid accounting-related decisions.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
PLO-9: Demonstrate a comprehensive advanced knowledge of key concepts across the breadth of accounting topics.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLO-10: Assess contemporary issues in accounting through synthesizing knowledge from accounting and cognate fields when appropriate.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

## Master of Business Administration

PLOS	K	S	AR	RC	SD
PLO-1: Critically evaluate business situations and challenges in global and local contexts based on in-depth interdisciplinary knowledge and the relevant business management analysis tools.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLO-2: Develop innovative tactical and strategic solutions and their implementation plans aimed at solving specific business problems and adding value to organizations.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLO-3: Make informed business decisions relying on developed quantitative and qualitative research skills and relevant ICT tools and methods.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLO-4: Display leadership behaviour and initiatives when working in teams or individually to enhance the quality of outcomes and to communicate them creatively.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLO-5: Integrate issues on sustainable development, ethics, and culture when solving complex business problems and proposing business alternatives.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## Master in Business Analytics

PLOS	K	S	AR	RC	SD
PLO-1: Appraise various information technologies, as well as analytical models and methods, through advanced and specialized knowledge, for transforming data into information, knowledge, and subsequently digital assets.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLO-2: Select descriptive, diagnostic, predictive, and prescriptive analytical models, methods, and tools, based on problem context, business objectives, and data sources.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLO-3: Apply analytical methods, including statistics, data analytics, and optimization, for advanced analysis of data-driven problems in business and industry.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLO-4: Develop innovative research-driven solutions for discovering actionable insights, driving sustainable decisions, and developing novel business models.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLO-5: Communicate effectively to specialized and non-specialized audiences, verbally, visually, and in writing, the results and interpretation of data-centric analyses of business and industry problems.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLO-6: Execute business analytics activities and projects with autonomy, entrepreneurship, and leadership.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
PLO-7: Conduct business analytics activities and projects as an effective and collaborative team member.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
PLO-8: Implement the principles of privacy, ethics and governance in business analytics, while reflecting on socio-cultural norms.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

## Master of Education

PLOS	K	S	AR	RC	SD
PLO-1: Apply knowledge of child development and learning principles to provide children with healthy, respectful, and challenging learning environments.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLO-2: Build respectful partnerships with children's families and their communities and communicate with them effectively, both orally and in writing.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLO-3: Apply effective assessment strategies and tools in partnership with families and other professionals.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLO-4: Use a wide array of developmentally appropriate approaches and instructional strategies in partnership with families.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLO-5: Integrate multiple areas of knowledge in planning, implementing and evaluating developmentally appropriate and inclusive early childhood curriculum.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLO-6: Make decisions and take actions based on professional and ethical standards and develop reasoned and creative solutions.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
PLO-7: Develop the knowledge, skills and professional dispositions and maintain responsibility for self-development and life-long learning to promote the development and learning of young children.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
PLO-8: Apply a student-centered learning approach, by developing the student as a communicator, a thinker and a problem solver.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLO-9: Develop research skills necessary for integrating knowledge and concepts through effectively using information derived from a variety of sources.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## Master of Arts in Arabic Language and Literature

PLOS	K	S	AR	RC	SD
PLO-1: Analyze the literary texts in light of ancient and modern criticism theories.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLO-2: Explain the structural elements in the linguistic and literary lesson and the stages of their development.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLO-3: Address the questions of the linguistic phenomenon at its various levels, based on the student's readings and research.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLO-4: Evaluate published critique and rhetoric according to their knowledge of Arabic literature and its theoretical and practical connections with other kinds of literature.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
PLO-5: Conduct research according to academic writing and its scholarly standards.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

## Master of Science in Remote Sensing and Geographic Information Systems

PLOS	K	S	AR	RC	SD
PLO-1: Discuss the theoretical principles of remote sensing and GIS and their role in modeling and solving environmental, urban and social issues.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
PLO-2: Recognize advanced analysis and interpretation skills needed in remote sensing and GIS.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLO-3: Apply practical remote sensing and GIS procedures for assessing and solving environmental, urban, geologic and societal problems.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
PLO-4: Communicate remote sensing and GIS related ideas and results both orally and in writing.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
PLO-5: Develop remote sensing and GIS project management, team work and leadership skills.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
PLO-6: Produce scientific research related to the applications of remote sensing and GIS.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

## Master of Governance and Public Policy

PLOS	K	S	AR	RC	SD
PLO-1: Comprehend selected theories and methods in public governance, policy analysis, market-government relations, macro and micro economics, public budgeting, leadership, and research in the analysis and formulation of public policy.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLO-2: Conduct governance and public policy research using appropriate research methods, ethics procedures, and statistical analysis	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
PLO-3: Apply qualitative and quantitative skills in the formulation of public policy independently and in teams.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
PLO-4: Use different tools and techniques in policy analysis, stakeholder management, successful policy implementation, effective program evaluation, and financial management	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
PLO-5: Communicate descriptive and analytical knowledge effectively in written and oral format to various audiences.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
PLO-6: Demonstrate preparedness for continued reflective practice and lifelong learning in public policy and governance.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

## Master of Arts in English

PLOS	K	S	AR	RC	SD
PLO-1: Assess advanced discipline-specific terminology in speech and writing	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
PLO-2: Critique a wide variety of literary texts from different periods and cultures	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
PLO-3: Explain advanced research methodologies	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
PLO-4: Appraise key critical approaches within literary criticism	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
PLO-5: Create literary print or digital texts	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
PLO-6: Prepare discipline-specific teaching methodologies	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

## Master of Arts in Communication

PLOS	K	S	AR	RC	SD
PLO-1: Apply theories and concepts of communication as they relate to the discipline's practices and discourses within national, regional, and international contexts.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
PLO-2: Demonstrate strategic level analysis and critical thinking when evaluating communication programs of an organization.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLO-3: Design knowledge driven strategic communication plans using appropriate hardware and software technologies.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
PLO-4: Conduct a sound academic research based on a socially relevant topic; and using appropriate research tools and methodologies.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

## Master of Social Work

PLOS	K	S	AR	RC	SD
PLO-1: Use communication/facilitation skills ethically in building empowering relationships with the diverse populations in the UAE, the Arab Gulf and internationally.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
PLO-2: Employ skills for influencing policy formulation and change in communities that advance social and economic justice.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
PLO-3: Apply knowledge and leadership skills in managing projects, and working with community groups and/or organizations to address populations at risk and engage in community resource development	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
PLO-4: Demonstrate skills in quantitative/qualitative research design, data analysis, program evaluation, practice evaluation, community needs assessments, and knowledge dissemination.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
PLO-5: Apply the knowledge, values, ethical principles, and skills of a generalist social work perspective to practice with diverse social systems in the UAE, the Arab Gulf and internationally.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
PLO-6: Analyze social policies at a local, regional, national, and international level.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
PLO-7: Evaluate existing research studies and one's own practice interventions.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
PLO-8: Function within the structure of organizations and service delivery systems and seek necessary organizational change.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

## Master of Science in Internet of Things



PLOS	K	S	AR	RC	SD
PLO-1: Discuss the evolution of the IoT paradigm, the different application areas, inter-disciplinary and emerging developments in this field.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLO-2: Evaluate the technologies associated with the IoT to reflect on, justify and recommend decisions.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLO-3: Design an IoT solution for a single or a system of devices to solve problems to meet a set of requirements.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLO-4: Develop project or research work that contributes to the IoT discipline taking into account relevant considerations such as ethics, economics, society, environment and sustainability.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
PLO-5: Demonstrate advanced oral and written communication skills individually and collectively.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

## Master of Science in Software Engineering

PLOS	K	S	AR	RC	SD
PLO-1: Apply software engineering knowledge to build robust, reliable, and maintainable software.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLO-2: Design complex systems based on efficiency, cost and data availability.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
PLO-3: Evaluate in depth the relative merits of software systems and artifacts at different levels of system architecture.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
PLO-4: Analyze Critically emerging software models, techniques, and technologies.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
PLO-5: Execute ethically project work or research that contribute significantly to Software Engineering discipline.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
PLO-6: Demonstrate advanced oral and writing communication skills individually and collectively	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

## Master of Science in Information Security

PLOS	K	S	AR	RC	SD
PLO-1: Apply information security knowledge and effective security strategies and standards.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
PLO-2: Design effective security solutions based on given requirements.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
PLO-3: Evaluate in depth enterprise security systems.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLO-4: Execute ethically project work or research that contributes significantly to the information security discipline.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
PLO-5: Demonstrate advanced oral and written communication skills individually and collectively.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
PLO-6: Analyze critically emerging information security concepts, models, techniques, and solutions.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## Master of Science in Information Technology Management

PLOS	K	S	AR	RC	SD
PLO-1: Demonstrate advanced understandings of the complex body of knowledge that involve the different IT management approaches.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
PLO-2: Evaluate in depth enterprise architectures for developing and delivering products and services to the marketplace.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLO-3: Develop ethically project work or research that contributes significantly to the current business needs and compliant with cutting-edge technology.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
PLO-4: Develop enterprise-wide IT management skills and expand the knowledge for lifelong learning and professional development.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
PLO-5: Critically analyze, synthesize, and make use of management information to solve complex IT management problems	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLO-6: Demonstrate advanced oral and written communication skills in a teamwork environment.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

## Master of Science in Clinical Psychology

PLOS	K	S	AR	RC	SD
PLO-1: Demonstrate clinical knowledge that is culturally sound and relevant to professional and ethical practices in the field of mental health.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
PLO-2: Conduct proper psychological assessment.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
PLO-3: Diagnose successfully clients' clinical problems using DSM/ ICD.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
PLO-4: Create suitable treatment plans for diverse psychological disorders.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
PLO-5: Apply therapeutic skills to help clients (individuals and groups) overcome their psychological disorders.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
PLO-6: Communicate comprehensive and understandable psychological reports to all parties involved.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
PLO-7: Apply appropriate methodology to conduct research in clinical psychology.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

## Master of Science in Human Nutrition

PLOS	K	S	AR	RC	SD
PLO-1: Evaluate the impact of nutrition on health status of individuals and communities.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLO-2: Design nutrition interventions using scientific evidence in improving health and well-being of individuals and communities.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
PLO-3: Conduct outcome-based research by using ethical guidelines and appropriate research methods of assessments and analysis.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
PLO-4: Demonstrate advanced writing and oral communication skills using the scientific literature.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

## Master of Science in Genomic Medicine

PLOS	K	S	AR	RC	SD
PLO-1: Explain genetics concepts and the genetic basis of disease.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLO-2: Critically discuss genome technologies and their actual and potential impact in clinical practice.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
PLO-3: Interpret genomic information as part of a diagnostic service or treatment protocol.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
PLO-4: Identify the latest developments in research methodologies and clinical application.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLO-5: Formulate a research hypothesis, collect and analyse scientific data, and undertake professionally relevant research.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

## Master of Genetic Counseling

		K	S	AR	RC	SD
PLO 1	<i>Apply genomic principles in a clinical setting to provide accurate risk information to individuals and families impacted by a genomics.</i>	√	√	√	√	
PLO 2	<i>Convey clearly and efficiently the genomic health information to a variety of audiences including patients, peers, and non-genetic health professionals.</i>	√	√	√	√	
PLO 3	<i>Provide psychosocial support to individuals and families while advocating for and promoting informed decision making.</i>		√	√	√	
PLO 4	<i>Apply ethical and privacy principles in all interactions, especially in clinical and research settings.</i>	√	√	√	√	
PLO 5	<i>Conduct collaborative research to improve knowledge, practice and understanding of genetic counseling.</i>	√				

## Master of Medical Sciences

PLOS	K	S	AR	RC	SD
PLO-1: Apply the knowledge of biomedical sciences in their scholarly activities.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLO-2: Demonstrate communication skills (with peers and colleagues) that are effective in the exchange and translation of knowledge and information.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
PLO-3: Apply professional ethics and commitment to their scholarly activities.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLO-4: Engage in collaborative health science research.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
PLO-5: Use quantitative and qualitative methods present and defend their scientific research findings.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## Master of Public Health

PLOS	K	S	AR	RC	SD
PLO-1: Use advanced concepts, methods, and tools of public health data collection, analysis and interpretation.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLO-2: Identify and address the major health-related needs and concerns of populations using population health concepts and methods	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLO-3: Analyze the biological, environmental, socio-economic, behavioral, cultural, and other factors that impact human health.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLO-4: Use effective communication and strategies for promoting health and preventing disease across the lifespan.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
PLO-5: Compare the characteristics and organizational structures of health care systems in selected countries.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLO-6: Explain the legal, ethical, economic, and regulatory dimensions of health care and public health policy.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

## Master of Science in Architectural Engineering

PLOS	K	S	AR	RC	SD
PLO-1: Apply advanced research techniques and methods to the analysis and solution of engineering problems.?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLO-2: Demonstrate advanced knowledge sufficient to analyze complex environmental issues related to?building and urban systems.?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
PLO-3: Develop comprehensive engineering systems, highly specialized components, or appropriate processes for built environment.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
PLO-4: Apply advanced knowledge in a specialized and emerging area in high performance built environment.?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLO-5: Develop communication skills to present, explain and criticize highly complex issues.?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
PLO-6: Evaluate engineering systems in high performance built environment according to relevant regulations and codes.?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
PLO-7: Evaluate knowledge of contemporary professional practice in high performance built environment.?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

## Master of Science in Chemical Engineering

PLOS	K	S	AR	RC	SD
PLO-1: Apply advanced concepts of fundamental sciences and engineering to solve complex Chemical Engineering problems.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLO-2: Demonstrate the ability to work effectively both independently and in teams of various backgrounds.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
PLO-3: Apply innovative and practical solutions to existing or novel processes in research.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLO-4: Search, evaluate and acquire information from relevant chemical engineering literature.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
PLO-5: Design advanced approaches to conduct chemical engineering experiments.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLO-6: Use advanced quantitative and qualitative methods to interpret research experimental results.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
PLO-7: Disseminate and discuss their professional and scientific work to the general public, as well as to experts in both writing and oral formats.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
PLO-8: Observe and apply ethical and professional codes and responsibilities.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

## Master of Science in Petroleum Engineering



PLOS	K	S	AR	RC	SD
PLO-1: Apply advanced concepts of fundamental sciences and engineering to solve complex Petroleum Engineering problems.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLO-2: Demonstrate the ability to work effectively both independently and in teams of various backgrounds.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
PLO-3: Apply innovative and practical solutions to existing or novel processes in research.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLO-4: Search, evaluate and acquire information from relevant petroleum engineering literature.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
PLO-5: Design advanced approaches to conduct petroleum engineering experiments.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLO-6: Use advanced quantitative and qualitative methods to interpret research experimental results.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
PLO-7: Disseminate and discuss their professional and scientific work to the general public, as well as to experts in both writing and oral formats.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
PLO-8: Observe and apply ethical and professional codes and responsibilities.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

## Master of Science in Civil Engineering

PLOS	K	S	AR	RC	SD
PLO-1: Describe highly specialized civil engineering principles, concepts, and methodologies.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLO-2: Evaluate the performance of advanced civil engineering systems and components through the use of applicable research principles, analytical methods and modelling techniques.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLO-3: Conduct advanced applied research to develop innovative solutions for highly complex civil engineering problems through the use of appropriately selected research methodologies and modern engineering tools.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
PLO-4: Apply advanced multidisciplinary problem-solving approaches to critically analyze contemporary, sophisticated, and highly complex civil engineering problems.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
PLO-5: Present and critique highly complex civil engineering issues and communicate effectively at a high level of proficiency.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLO-6: Lead professional activities and manage ethical issues in highly complex civil engineering projects.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
PLO-7: Implement the social, environmental, ethical, economic and commercial aspects to develop valid decisions affecting highly complex civil engineering projects.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

## Master of Science in Water Resources

PLOS	K	S	AR	RC	SD
PLO-1: Gain comprehensive knowledge on Water Resources Assessment, Development and Management with specific reference to arid regions conditions	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLO-2: Acquire skills to address contemporary issues related to Water Resources and understand their social and economic impacts.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
PLO-3: Develop skills of utilizing modern assessment and prediction tools related to water resources including field tests and computer software.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
PLO-4: Communicate effectively and produce professional reports related to various disciplines of Water Resources.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
PLO-5: Apply basic concepts in management, public policy and leadership in various areas of water resources.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

## Master of Science in Electrical Engineering

PLOS	K	S	AR	RC	SD
PLO-1: Demonstrate understanding of highly specialized electrical engineering principles, concepts, and methodologies .	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLO-2: Evaluate the performance of advanced electrical engineering systems and components through the use of applicable research principles, analytical methods and modelling techniques.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLO-3: Conduct advanced applied research to develop innovative solutions for highly complex electrical engineering problems through the use of appropriately selected research methodologies and modern engineering tools.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
PLO-4: Apply advanced multidisciplinary problem-solving approaches to critically analyze contemporary, sophisticated, and highly complex electrical engineering problems.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
PLO-5: Present and critique highly complex industrial electrical engineering issues and communicate effectively at a high level of proficiency.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
PLO-6: Demonstrate leadership and management of professional activities and ethical issues in highly complex electrical engineering projects.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
PLO-7: Recognize the social, environmental, ethical, economic and commercial considerations and professional responsibilities affecting highly complex industrial electrical engineering projects.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

## Master of Science in Mechanical Engineering

PLOS	K	S	AR	RC	SD
PLO-1: Apply knowledge and skills ethically for solving mechanical engineering problems and drawing conclusions.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
PLO-2: Conduct mechanical engineering studies utilizing experimental, computer software and other modern tools.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
PLO-3: Communicate effectively, both orally and in writing to present technical and research work.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
PLO-4: Conduct independently and with a team quality scientific and applied research.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

## Master of Engineering Management

PLOS	K	S	AR	RC	SD
PLO-1: Understand the designing process and synthesize strategies to manage designing an overall engineering system or product that meets desired needs.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
PLO-2: Apply knowledge of mathematics, engineering and technology in managing engineering processes.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
PLO-3: Analyze engineering problems relating to Quality and manufacturing operations and Synthesize Solutions.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
PLO-4: Understand supply chain concepts and apply them to improve the business? overall and supply chain performance	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
PLO-5: Apply concepts to manage technological innovations and synthesize relevant business strategy.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
PLO-6: Apply the accounting information for decision-making	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
PLO-7: Apply knowledge of applied statistics and decision techniques in managing engineering processes.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
PLO-8: Analyze subjects with technical and business content and synthesize effective written reports and oral presentations	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
PLO-9: Apply theories of human behavior to analyze and evaluate the role of managers and leaders in driving effective employee behaviors in industrial organizational contexts.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

## Master of Science in Mechanical Engineering

PLOS	K	S	AR	RC	SD
PLO-1: Identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLO-2: Apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLO-3: Communicate effectively with a range of audiences.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
PLO-4: Recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
PLO-5: Function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
PLO-6: Develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLO-7: Acquire and apply new knowledge as needed, using appropriate learning strategies.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

## Master of Private Law

PLOS	K	S	AR	RC	SD
PLO-1: يحلل القضايا والنصوص القانونية تحليلاً علمياً سليماً	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
PLO-2: يقارن الآراء الفقهية والاتجاهات التشريعية والقضائية المختلفة وبخاصة في النظام القانوني الإماراتي	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
PLO-3: ينجز بحثاً علمياً معمقاً في فرع من فروع القانون الخاص باستخدام مناهج البحث القانوني المعتمدة، وتحليل البيانات واستخدام المصادر العلمية	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
PLO-4: يعرض حججه القانونية بثقة ومنهجية سليمة	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
PLO-5: يتقيد بالقواعد الأخلاقية والمهنية في إنجاز الأعمال الموكولة إليه	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
PLO-6: يقود فريق عمل لحل المسائل القانونية ذات الصلة	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

## Master of Public Law

PLOS	K	S	AR	RC	SD
PLO-1: يحلل القضايا والنصوص القانونية تحليلاً علمياً سليماً	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLO-2: ينقد الآراء الفقهية والاتجاهات التشريعية والقضائية المختلفة مدعماً ذلك بالحجج والبراهين المناسبة	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLO-3: ينجز بحثاً علمياً معمقاً في فرع من فروع القانون العام باستخدام مناهج البحث القانوني المعتمدة، وتحليل البيانات	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
PLO-4: يقود بفاعلية فريق عمل	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLO-5: يعرض نشاطه البحثي شفهيًا بطريقة علمية صحيحة	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLO-6: يتعلم ذاتياً من خلال المستجدات الواقعية والعلمية	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
PLO-7: ينجز الأعمال الموكولة إليه بطريقة مهنية متقيدة بالقواعد الأخلاقية	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

## Master of Science in Environmental Sciences and Sustainability

PLOS	K	S	AR	RC	SD
PLO-1: Discuss contemporary issues relating to environmental challenges, ethics, and professional responsibilities.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLO-2: Describe relationships between environmental components and processes and the role of anthropogenic factors.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLO-3: Evaluate material from available resources on issues and challenges relating to environmental problems facing the UAE.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
PLO-4: Evaluate the means by which human society can conserve and restore the environment using approaches drawn from various sciences and fields of study.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
PLO-5: Demonstrate strong written and oral presentation skills.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLO-6: Conduct scientific environmental research, and use quantitative methods to analyze results.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

## Master of Science in Molecular Biology and Biotechnology

PLOS	K	S	AR	RC	SD
PLO-1: Demonstrate leading edge knowledge in a chosen specialized area of molecular biology and/or biotechnology	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLO-2: Gain insight into the most significant and recent biotechnology and molecular-based methods used to expand the understanding of biology.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLO-3: Manage and analyze data stored in databases, familiarize with various bioinformatics analysis tools available to analyze biological data.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
PLO-4: Conduct scientific molecular biology and/or biotechnology research, and use quantitative methods to analyze results	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLO-5: Evaluate methods and results within the field of specialization critically and ethically.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
PLO-6: Work independently or in a team on complex project that requires multidisciplinary collaboration	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
PLO-7: Communicate scientific results to both experts and general audience through writing structured reports and contributions for scientific publications and posters, and by oral presentations.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

## Master of Science in Chemistry

PLOS	K	S	AR	RC	SD
PLO-1: Solve complex problems in chemical applications.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLO-2: Use modern methods to carry out research and solve real life problems.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
PLO-3: Properly document and present the results of research work.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
PLO-4: Work effectively in teams and manage group tasks.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
PLO-5: Apply appropriate ethical standards to issues related to science, research, and work.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
PLO-6: Critically evaluate new information in the field of chemistry	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

## Master of Science in Geosciences

		K	S	AR	RC	SD
PLO 1	<i>Demonstrate a comprehensive knowledge and skills for geoscience problem solving.</i>	√				
PLO 2	<i>Develop competence in advanced field, laboratory, and data analysis techniques related to the research discipline.</i>		√			
PLO 3	<i>Construct competence in search and review of previous studies.</i>	√	√	√	√	√
PLO 4	<i>Build independent self-management and working in a team capacity.</i>	√	√	√	√	√
PLO 5	<i>Communicate professionally in writing and presentation of scientific results.</i>	√	√	√	√	√

## Master of Science in Mathematics

PLOS	K	S	AR	RC	SD
PLO-1: Discuss in depth concepts, techniques, and results related to active research in Mathematics.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLO-2: Solve mathematical problems using theoretical tools and/or modeling.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLO-3: Develop concise mathematical proofs.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLO-4: Produce a comprehensive independent work, including a literature review.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
PLO-5: Contribute actively to research projects in mathematics, using an adequate methodology.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLO-6: Communicate effectively mathematical results to a specialized audience.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
PLO-7: Demonstrate awareness of ethical issues related to science, research, and work.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## Master of Science in Physics

PLOS	K	S	AR	RC	SD
PLO-1: Demonstrate mastery of advanced topics in Physics and related disciplinary skills.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLO-2: Evaluate and solve complex real-world scientific problems both systematically and creatively	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLO-3: Demonstrate advanced oral and written communication skills individually and collectively.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLO-4: Execute ethically project work or research that contributes significantly to the physics discipline.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

## Master of Science in Space Science

PLOS	K	S	AR	RC	SD
PLO-1: Develop thorough understanding and professional skills by making use of appropriate literature and research resources.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLO-2: Evaluate complex inter-disciplinary challenges to be resolved through space science and technology.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
PLO-3: Formulate and carry forward space science research and development by applying scientific principles in Space Sciences.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
PLO-4: Create innovative Space Systems solution through mission-specific projects.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
PLO-6: Design solutions to multi-faceted space science problems both systematically and analytically as part of a diverse team.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLO-5: Compose scientific results in the form of publications, presentations, thesis and reports.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>