

uniathena

Master in Engineering Management

Lead the Next Generation of
Engineering Professionals



Unimarconi
LA PRIMA UNIVERSITÀ
DIGITALE ITALIANA



CAMBRIDGE
INTERNATIONAL
QUALIFICATIONS



Chartered
Management
Institute

Message From
Col (Rtd). Anil Ahluwalia
Academic Director
UniAthena



Westford Education Group, through UniAthena, is dedicated to offering our learners the highest quality international programs from Italy, Spain, the US and other prominent countries. We carefully select our partner universities to ensure that each program is fully accredited, internationally recognized, and industry appropriate. Our teaching staff, learner support staff, and partner staff are focused on one thing: your success, both in the classroom and in your career. And when you join our programs, from any of our partner universities, you will always have Westford by your side, helping you along each step of your path to success.

UniAthena's distinguished international faculties have been educated in renowned universities. Our professors and trainers possess expertise in research and teaching, and they are committed to providing learners with a world-class learning experience. Many members of our faculty also hold significant corporate experience and serve on corporate management boards. Our reports indicate that our graduates leave our programs with the functional industry knowledge they expect from executive education. Our learners move on to become effective leaders and strong team players, with the talent to identify and build opportunities – and we hope to see your success story unfold with us.

We warmly welcome you to UniAthena, the new era of affordable, flexible and accessible learning. I wish you an enriching and enjoyable learning experience and success.

WHO WE ARE

UniAthena is an Online Learning Platform dedicated to making Higher Education accessible and affordable to Professionals across the globe. We offer self-paced Master, Doctorate, and Microcredit programs in collaboration with European Universities and reputed Professional Qualifications Authorities.



UniAthena is the latest venture of Westford Education Group, a Higher Education Services provider since 2009 providing quality UK, Italian, and Spanish Bachelor, Master and Doctoral level degrees. We have helped millions of learners from around the world achieve their higher education aspirations and through that, their professional goals.



MISSION

To provide access to affordable quality higher education for masses across the globe, we will ensure to develop an up-to-date curriculum and deploy the latest technology to develop relevant learning models which are scalable, ensuring accessibility and affordability as the key focus of everything we develop.



VISION

Our vision is to empower people, the privileged and underprivileged, by providing access to higher education that is effective, affordable and flexible without any boundaries.



VALUES

In upholding our vision, we ensure that the following core values are embedded in the development of the UniAthena Learning Platform and the courses and programs it supports:

› Accessible › Accredited › Flexible › Affordable › Stackable

Why UniAthena?

We strive to ensure that learning is seamless and blends with learners' lives.

Learning Schedules

Programs are offered with either Fixed Learning Duration or Flexible Learning Duration. The 100% Online Delivery & Byte-Sized Content simplified learning on the go.



Pay per Module/Easy Installments

With UniAthena as your learning partner, you follow a 'Pay as you Go Scheme' for your program, that means no upfront bulk payment of your fee. Instead your fee will be divided into small pocket friendly installments distributed across your program.

Personal Tutor Support

In this online program, learners are not on their own. Upon enrolment, every learner gets assigned a Personal Tutor who they can reach out to for any academic support.



Accredited and Internationally Recognised Programs

Our programs are developed and delivered in partnership with globally recognized and accredited universities and Reputed Professional Qualification Authorities.

Westford Education Group

Westford Education Group was established in 2009, with an objective to fulfill the aspirations of learners with diverse backgrounds from across the globe to attain internationally-accredited qualifications in the form of on-site and online learning interventions.

Working toward a world where everyone has access to higher education, WEG now stands out winning the confidence of its learners and the community, a result of its steadfast commitment to learners' welfare and their success stories.

At Westford, we have come up with an integrated strategy and operational model for global education. The group's overall mission is "enabling the learner of today to become a successful individual of tomorrow."



Course Overview

UniAthena's Master in Engineering Management is a rigorous interdisciplinary program that bridges the gaps between the fields of Engineering, Technology, and Business. With a curriculum balancing engineering principles, management techniques, and business disciplines, this program prepares Engineering professionals to undertake vital leadership roles and address complex business challenges with innovative, practical, and effective solutions.



Highlights of this course are:

- ▶ This **90 ECTS** Master program is offered in partnership with **Guglielmo Marconi University, Italy**.
- ▶ **GMU, accredited by the Ministry of Education**, Italy, is a member of the Bologna Process in the European Higher Education Area (EHEA) and a **NARIC-approved university**.
- ▶ Learners are eligible for **Postgraduate Diploma in Engineering Management** from Cambridge International Qualifications, UK and **Certified Engineering Management Professional** from Chartered Management Institute, UK (Optional).
- ▶ The course materials and assessments are based on real-life application, which will help learners directly improve workplace performance.
- ▶ This program's comprehensive curriculum presents the perfect blend of technical Engineering expertise, administrative acumen and managerial skills that aspiring Engineering Managers seek to stay competitive.
- ▶ The program features hands-on sessions in Primavera, and Data Visualization with Tableau. Learners will also attend an Expert-led Discussion in TQM & Lean in Engineering Projects.
- ▶ Learners can attend the Annual Convocation conducted by the University in Italy.

Why This Course?



Join the Future:

This Master program prepares Engineers to lead with impact, driving change in an ever-evolving industry. Professionals will learn to lead teams in alignment with corporate goals.

Build Holistic Managerial Expertise:

This course offers an integrated management perspective to optimize operations and reach organizational goals.



No Career Breaks:

This program is self-paced, bite-sized, affordable and delivered online. Forget a career break, and learn on the go, anytime, anywhere.



Certifications included in this course

- ▶ **Master in Engineering Management** issued by Guglielmo Marconi University, Italy
- ▶ **Postgraduate Diploma in Engineering Management** issued by Cambridge International Qualifications, UK
- ▶ **Certified Engineering Management Professional** issued by Chartered Management Institute, UK (Optional).



TESTIMONIAL

"The entire experience was fantastic, and it was very flexible within my work periods, and the teaching methodology and approach are amazing."



Jamal Mustafa

Requirements and System Assurance Engineer
Webuild Neom High Speed Railway Project
Saudi Arabia

Master in Engineering Management

Batch 2023

I had been dreaming for years of getting a master's degree because I wanted to study, develop, and overcome obstacles. Even though I knew the voyage would try every fiber of my strength, I was prepared to accept it when the time came. I decided to finish my ideal Master in Engineering Management degree at UniAthena. The entire experience was fantastic, and it was very flexible within my work periods, and the teaching methodology and approach are amazing.

How you Learn

We have developed a learning pedagogy which ensures that the learners will be able to learn the course successfully, regardless of whether the learner is a beginner or an expert.

Video Classes

The well-developed customised online video lessons designed by our faculty will lay the foundation for your learning.



Text Learning Contents

Multi-level learning resources developed by our faculty, including relevant journal articles, case studies, quizzes and others will enhance your learning experience. These will help you get a multidimensional perspective on the topics in the units.

Collaborative Learning

Webinars will extend your learning beyond the curriculum and open a new world before you.



Online Library

You get unlimited access to the online library which consists of a large collection of books, journals, articles, white papers, videos, case studies and other publications.

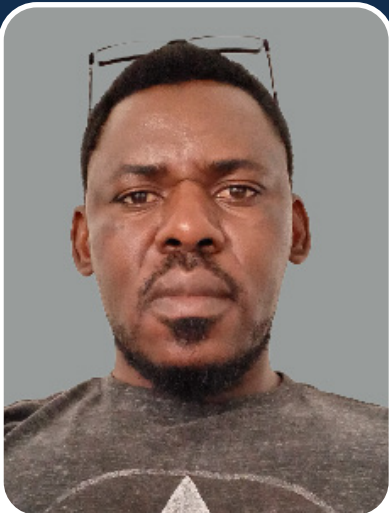
Personal Tutor

One-to-one personal tutor meetings will clarify your doubts and also provide guidance on your assignments.



TESTIMONIAL

"I am grateful to be a part of this wonderful community. Undertaking this course has been a fulfilling experience that has instilled in me a sense of confidence through the knowledge that I have gained thus far."



Evans Hamweene

Coordinator -Maintenance,
Barrick Gold, Zambia

Master in Engineering Management
Batch 2022

I would like to take this opportunity to share my thoughts on my course of study at UniAthena. First and foremost, I am grateful to be a part of this wonderful community. Undertaking this course has been a fulfilling experience that has instilled in me a sense of confidence through the knowledge that I have gained thus far. The tutors have been incredibly supportive and the flexibility of the learning process has been a big advantage.

Overall, I am immensely proud to be a part of this big community and will always cherish this experience.



Guglielmo Marconi University, Italy

Guglielmo Marconi University (GMU) is based in Rome, Italy, and is recognized by the Ministerial Decree of March 1, 2004. GMU's main campuses are based in Rome and are located around the Prati and Vatican neighbourhoods. Currently, GMU has more than 16,000 learners enrolled in graduate and postgraduate programs, 300 faculty members, and a team of 200 expert advisors.

The central administrative offices, studios, academic departments, and the majority of the university facilities are situated on the main campus. GMU distinguishes itself through its operational blended format, which combines online and traditional academic programs. This format provides learners with a valuable experience both online and offline, by preserving face-to-face interactions with professors, seminars, and lessons within the athenaeum and granting access to intranet and institutional resources.

Since 1999, Italian universities have abided by the 'Bologna Process', launched with the Bologna Declaration of 1999 and defined by the European Higher Education Area (EHEA). In relation to this reform, the university is a system organized into 3 cycles: bachelor's degrees, master degrees, and doctorates in different schools.



Cambridge International Qualifications, UK

Cambridge International Qualifications (CIQ), UK is a professional awarding body based in the United Kingdom. CIQ is founded on the vision of helping individual learners and employers in attaining quality accredited awards. With centers across the Middle East, Europe and the African region, CIQ is a proud certification partner for more than 100 organizations and has a progression pathway with some of the leading universities across the world.

CIQ offers credit-rated programs under Scottish Credit Qualification Framework (SCQF) through the credit rating agency Scottish Qualification Authority which enables the learner to attain UK-regulated qualifications. Apart from the credit-rated programs, CIQ also offers stand-alone professional diploma and certification programs which have been developed based on the current need of the industry. CIQ also partnered with NCFE-UK (Northern Council for Further Education) and TQUK (Training Qualifications, UK) for joint certification for the courses developed by CIQ.

CIQ has gained a reputation for the high-quality support services provided to the education sector. It works with schools, colleges, universities, and corporate bodies as well as Government agencies to provide relevant, effective, and flexible programs. Their qualification and assessment framework is up-to-date, result oriented and meets the defined values as per international standards. CIQ qualifications are approved for progression to higher qualifications offered by International Universities around the globe.

The CIQ qualification and assessment framework have been developed in consultation with leaders from various corporate bodies, government agencies, and universities around the world. CIQ programmes are frequently assessed to enhance quality and ensure they are relevant for the rapidly changing global market as well as career opportunities for ambitious individuals. The CIQ Qualification and assessment framework is available throughout the world and may be accessed via their “Approved Centre Network”.



Chartered Management Institute, UK

Chartered Management Institute, backed by Royal Charter, is the only Chartered body dedicated to promoting the highest standards in management and leadership excellence. CMI's management qualifications are recognized throughout the UK and Europe and provide a progressive framework that enables one to develop and broaden management skills. Their qualifications are designed in consultation with employers to meet today's demands and therefore it is valued by them.

Their certification is flexible. One can study locally via their 600+ approved centres or through a Distance Learning Provider. Their resources are designed specifically for the qualification to ensure that the learner has the correct support and free access to all key membership services for the duration of his study.

Practical help whenever you need it; tools and techniques to save time and stress; new ways to enhance your professional reputation; qualifications that show the world you mean business – that's what CMI is all about.

Modules

Module Name	Credits (ECTS)
Part A	
Engineering Management for Business Leaders	10
Strategic Project Management & Implementation	10
Environment, Health and Safety Management	10
Mid Term Project	10
General Management	10
Sustainability and Business	10
Principles of Energy Management (Elective 1) Environmental Impact Assessment (Elective 2)	10
Part B	
Research Methods	8
Capstone Project	12
Total Credits	90

Module Description

Module Name: **Engineering Management for Business Leaders**

Level: EQF Level 7

Credits: 10 ECTS

The module provides a comprehensive overview of various management methods and processes to streamline operational activities, optimize productivity, meet deliverables, and achieve organizational goals.



Module Name: **Strategic Project Management & Implementation**

Level: EQF Level 7

Credits: 10 ECTS

This module equips learners with the knowledge and skills to navigate the entire project lifecycle, from conception to completion. Learners will understand core project management concepts, data management, and key business documents.

Module Name: **Environment, Health and Safety Management**

Level: EQF Level 7

Credits: 10 ECTS

The module gives a critical understanding of the Safety, Health, and Environment management tools and techniques and how these can be optimized to make them environment-friendly.



Module Name: **Mid Term Project**

Level: EQF Level 7

Credits: 10 ECTS

The Mid-Term Project is a structured academic assignment that allows students to apply theoretical knowledge to real-world business or technical challenges. It typically involves research, analysis, and problem-solving within a specific domain, such as finance, marketing, operations, sustainability, engineering management, etc.

Module Name: **General Management**

Level: EQF Level 7

Credits: 10 ECTS

This module explores vital general management concepts, including theories, stakeholder and change management, offering practical insights for real-world implementation.



Module Name: **Sustainability and Business**

Level: EQF Level 7

Credits: 10 ECTS

The module will critically review sustainability challenges and opportunities for organizations in a global context.

Module Name: **Principles of Energy Management (Elective 1)**

Level: EQF Level 7

Credits: 10 ECTS

This module encompasses a comprehensive study of fuel types, combustion processes, and their impact on energy systems.



Module Name: **Environmental Impact Assessment (Elective 2)**

Level: EQF Level 7

Credits: 10 ECTS

The Environmental Impact Assessment module offers in-depth knowledge for evaluating and mitigating environmental impacts in development projects.

Module Name: **Research Methods**

Level: EQF Level 7

Credits: 8 ECTS

This module emphasizes research ethics, empowering learners to address ethical considerations and enable independent research using quantitative and qualitative techniques.





Module Name: **Capstone Project**

Level: EQF Level 7

Credits: 12 ECTS

This module will equip learners to create a usable project through which they can integrate, synthesize, and demonstrate all their knowledge in a multi-faceted way to potential employers.

Assessment

Each module will be assessed through a combination of formative and summative assessments. Formative assessment will follow a continuous assessment strategy that will include unit-wise assessments, followed by a summative assessment that is formulated to be more aligned with personal reflection questions that are mapped against the expected learning outcomes of the module.

Research and dissertation will be supported by a supervisor appointed by UniAthena, and the learner is expected to submit an extensive report of 12,000 words. At this stage, learners will have the option to choose a business project instead of a dissertation.

TESTIMONIAL

“After completing my Master in Engineering Management, I will gain mastery in key areas, viz., marketing, accounting, and leadership skills, through an engineering lens”.



Elias Al Chalouhi

Networking, Network Security Engineer and DevOps Engineer
Lebanon

Master in Engineering Management
Batch 2022

“I am writing to share my profound appreciation for UniAthena and my personal tutor that I am currently attending.

My personal tutor has been a tremendous help to me throughout my academic journey. Their commitment, compassion, and knowledge have made a big difference in my development and success. I have been able to overcome obstacles and accomplish my goals, thanks to their encouragement and guidance. I sincerely appreciate their unwavering commitment to help me achieve my academic goals.

Furthermore, I would also like to express my gratitude for the exceptional educational experience offered by UniAthena. The institution's commitment to excellence, the quality of faculty, and the range of resources available have enriched my learning experience and broadened my horizons.

After completing my Master in Engineering Management, I will be able to thrive in business and gain mastery in key areas, viz., marketing, accounting, and leadership skills, through an engineering lens. It will impart on me the skills I need to lead and manage teams, projects, and organizations.

In essence, I am immensely proud to be associated with both UniAthena and my personal tutor. I recommend both my tutor and the institution to anyone seeking a quality education and a nurturing learning environment.



Eligibility Criteria

Academic Route

A bachelor's degree from an accredited university (or academic equivalent) in any subject.

Mature Entry Route

If you don't have a Bachelor's degree, you can apply through our mature entry route. You'll need to provide evidence of 5 years (Minimum) of relevant managerial work experience, along with certificates of your highest diplomas/degrees/professional certifications and an updated resume. Applications are assessed on a case-by-case basis. Please send these details to admissions@uniathena.com. Applicants should be 23 years of age or above. Admission through the Mature Entry Route will be subject to the discretion of UniAthena and the respective Awarding Bodies/Universities.

English Language Proficiency

If you are not a native speaker, you should have an appropriate English proficiency level, e.g. an IELTS score of 5.5 or equivalent in all bands or possess a bachelor's degree delivered and assessed in English, or proof of work experience in an English-speaking environment.

Fee & Charges

Fixed Plan

Registration Fees	\$500 (To Start With The Course)
Course Fee	\$3800 (To Be Paid On A Monthly Basis, \$380 Per Month, Total 10 Installments)
PGD-CIQ Certification Fee	\$300 (On Completion Of Course Modules)
Course Certification Fee	\$1000 (To Be Paid Upon Successful Completion Of The Program)
Total Fee	\$5600
CMI Certificate Fee	\$300 (Optional)

Flexible Plan

Module Fee	\$4000 (500 Per Module, Total 8 Modules)
Capstone Project Fee	\$1000 (To Be Paid In 2 Installments Of \$500 Each)
PGD-CIQ Certification Fee	\$300 (On Completion Of Course Modules)
Course Certification Fee	\$1000 (To Be Paid Upon Successful Completion Of The Program)
Total Fee	\$6300
CMI Certificate Fee	\$300 (Optional)

Study Remote Graduate in Italy

Upon successful program completion, students will get the opportunity to graduate from Guglielmo Marconi University, Italy, and participate in the prestigious convocation ceremony held there.

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