

MASTER'S DEGREE PROGRAM

BIOMEDICAL SYSTEMS AND INFORMATICS ENGINEERING



ABOUT THE PROGRAM

The Master in Biomedical Systems and Informatics Engineering at Yarmouk University, established in 2023, trains professionals in advanced biomedical engineering for research and industry. The curriculum covers biomedical systems, informatics, AI, machine learning, and medical device design. It offers two tracks: a thesis track for research-focused students and a non-thesis track for practical expertise. The program accepts diverse backgrounds and is the only graduate program in Jordan combining biomedical systems with informatics. Graduates gain skills to excel in academia, healthcare, and industry.

CAREER OPPORTUNITIES

- Hospitals and healthcare institutions
- Medical device and health technology companies
- Biomedical research and development centers
- Health informatics and digital health companies
- Pharmaceutical and biotech industries
- Academic and clinical research institutions
- Governmental and regulatory agencies
- Biomedical Informatics Specialist
- Clinical Systems Engineer
- Medical Device Development Engineer

TUITION FEES (Per Credit Hour)

- Jordanian 120 JOD
- International 300 USD



ADMISSION REQUIREMENTS

Bachelor's Degree

In Biomedical Engineering, Computer Engineering, Electrical Engineering, Electronics and Communications Engineering, Chemical Engineering, Pharmacy, Medical Physics, Life Sciences, Computer Science, or any related field

Language Proficiency

Through a valid TOEFL or IELTS score, in accordance with university regulations

Academic Competence

STUDY PLAN

The Master in Biomedical Systems and Informatics Engineering is a 34-credit program completed in two years, focusing on biomedical systems, health informatics, and medical technologies. Core courses cover computational biology, biomaterials, biosignal processing, and machine learning. Students can choose electives like medical imaging and embedded systems to tailor their studies. The program offers a thesis track for research and a non-thesis track with additional coursework and exams. It emphasizes interdisciplinary learning and practical skills. Graduates are prepared to innovate in medical technology and healthcare systems.

LOCATION



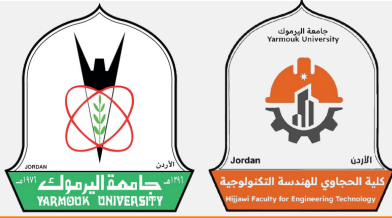
 **HIJJAWI FACULTY FOR ENGINEERING TECHNOLOGY**

CONTACT US

Department of Biomedical Systems and Informatics Engineering

Email: medical.dept@yu.edu.jo

Phone: +962 2 721 1111 ext. 4551



MASTER'S DEGREE PROGRAM

CONSTRUCTION ENGINEERING AND MANAGEMENT

ABOUT THE PROGRAM

The Master in Construction Engineering and Management at Yarmouk University, established in 2024, prepares graduates to lead and innovate in construction projects. It addresses the growing regional demand driven by infrastructure growth and sustainability. The curriculum covers structural engineering, project management, and sustainable construction techniques. Students choose between thesis and non-thesis tracks based on their career goals. Graduates gain the skills to excel in both public and private sectors, supporting national development.

CAREER OPPORTUNITIES

- Construction and Infrastructure
- Engineering and Consulting Firms
- Government and Municipalities
- Real Estate and Property Development
- Transportation and Urban Planning
- International Development Agencies
- Construction Project Manager
- Site Engineer
- Cost Estimator/Quantity Surveyor
- Sustainability Specialist



TUITION FEES (Per Credit Hour)

- Jordanian 120 JOD
- International 300 USD

ADMISSION REQUIREMENTS

Bachelor's Degree

In Civil Engineering, Architectural Engineering, or any related field

Language Proficiency

Through a valid TOEFL or IELTS score, in accordance with university regulations

Academic Competence

STUDY PLAN

The Master in Construction Engineering and Management program includes 33 credit hours over two years, blending advanced engineering and project management skills. Core courses cover structural dynamics, construction law, quality systems, and infrastructure repair. Electives focus on smart cities, sustainability, AI applications, and more, updated regularly to reflect industry trends. Students can choose a thesis track for research or a non-thesis track with extra coursework and exams. The program equips graduates with technical and managerial expertise. It prepares them for leadership roles in construction and infrastructure worldwide.

LOCATION



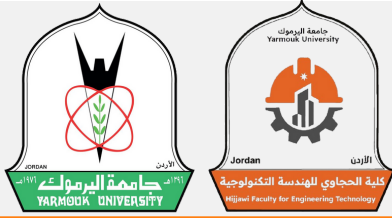
 **HIJJAWI FACULTY FOR ENGINEERING TECHNOLOGY**

CONTACT US

Department of Civil Engineering

Email: civil.dept@yu.edu.jo

Phone: +962 2 721 1111 ext. 4523



MASTER'S DEGREE PROGRAM

WIRELESS COMMUNICATION ENGINEERING



ABOUT THE PROGRAM

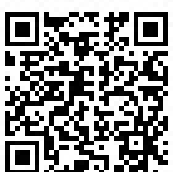
The Master in Wireless Communication Engineering program was established in 2002 at Hijawi Faculty. It offers Thesis and Non-Thesis tracks for research or industry-focused careers. The curriculum covers mobile networks, signal processing, satellite communications, and next-gen wireless tech. Students gain advanced knowledge and practical skills in wireless communications. The program prepares graduates for academia, research, and the telecommunications industry. It supports innovation and contributes to the evolving telecom sector and community.

CAREER OPPORTUNITIES

- Network Engineer
- Radio Frequency (RF) Engineer
- Systems Engineer
- Network Administrator
- Wireless Network Engineer
- IT Consultant
- Research Scientist
- R&D Engineer
- Technical Research Analyst
- University Lecturer or Professor

TUITION FEES (Per Credit Hour)

- Jordanian 80 JOD
- International 300 USD



ADMISSION REQUIREMENTS

Bachelor's Degree

In Communication Electronics , Computer Engineering, or a related field

Language Proficiency

Through a valid TOEFL or IELTS score, in accordance with university regulations

Academic Competence

STUDY PLAN

The Master in Wireless Communication Engineering requires 33 credit hours, typically completed in two years. Core courses cover advanced topics like digital communications, mobile systems, antennas, and coding. Students choose electives to tailor their studies, including signal processing and microwave engineering. The program offers Thesis and Non-Thesis tracks for research or practical career goals. Thesis students conduct original research and defend their work, while Non-Thesis students complete exams or projects.

This flexible curriculum equips graduates with advanced theory and practical skills in wireless communications.

LOCATION



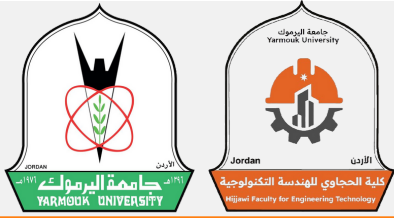
 **HIJAWI FACULTY FOR ENGINEERING TECHNOLOGY**

CONTACT US

Department of Communication Engineering

Email: communications.dept@yu.edu.jo

Phone: +962 2 721 1111 ext. 4539



MASTER'S DEGREE PROGRAM

COMPUTER ENGINEERING



ABOUT THE PROGRAM

The Master in Computer Engineering program at Hijjawi Faculty was established in 2022. It offers Thesis and Non-Thesis tracks for research or industry-focused careers. The curriculum covers AI, embedded systems, cybersecurity, and data analytics. Students gain advanced theoretical knowledge and practical skills. The program supports innovation and knowledge advancement in computer engineering. Graduates are prepared for impactful roles in academia, research, and technology industries. This flexible curriculum equips graduates with advanced theory and practical skills.

CAREER OPPORTUNITIES

- IT & Software
- Aerospace & Defense
- Healthcare Tech
- Manufacturing Automation
- IoT & Smart Systems
- Telecom & Networking
- Academia & Research
- Startup Founder or Technical Lead

TUITION FEES (Per Credit Hour)

- Jordanian 80 JOD
- International 300 USD



ADMISSION REQUIREMENTS

Bachelor's Degree

Computer, Electrical (any branch), Mechatronics Industrial Engineering, Computer Science, CIS, or a closely related field from a recognized university.

Language Proficiency

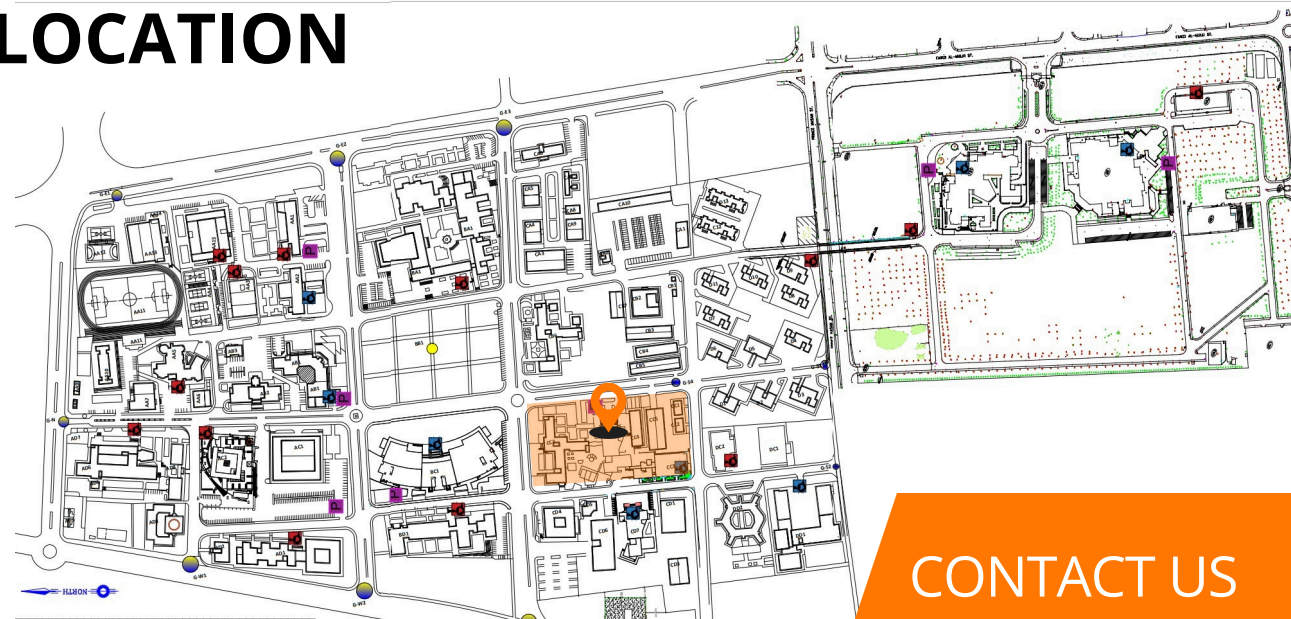
through a valid TOEFL or IELTS score, in accordance with university regulations

Academic Competence

STUDY PLAN

The Master in Computer Engineering requires 33 credit hours, usually completed in two years. Core courses cover advanced topics like computer architecture, embedded systems, and networks. Electives allow specialization in areas such as high-performance computing and digital hardware. The program offers Thesis and Non-Thesis tracks for research or applied career paths. Thesis students conduct original research; Non-Thesis students complete extra coursework and exams or projects. Graduates gain strong theoretical and practical skills for careers in industry, academia, and research.

LOCATION



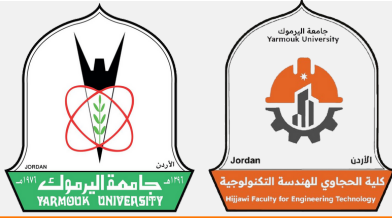
 **HIJAWI FACULTY FOR ENGINEERING TECHNOLOGY**

CONTACT US

Department of Computer Engineering

Email: computer.dept@yu.edu.jo

Phone: +962 2 721 1111 ext. 4439



MASTER'S DEGREE PROGRAM

ENGINEERING MANAGEMENT



ABOUT THE PROGRAM

The Master in Engineering Management at Yarmouk University (est. 2020) combines engineering and management to develop leaders for complex projects.

The curriculum covers operations, systems analysis, project scheduling, and decision support. Students choose between a research thesis or a professional non-thesis track. The program prepares graduates for leadership roles across industries, supporting national development and innovation.

CAREER OPPORTUNITIES

- Industrial and Manufacturing Companies
- Transportation and Aviation
- E-commerce and Technology Firms
- Government and Public Sector
- Supply Chain and Logistics Providers
- Engineering Manager
- Operations Manager
- Project Manager
- Quality Assurance/Control Specialist
- Supply Chain Analyst/Manager



TUITION FEES (Per Credit Hour)

- Jordanian 120 JOD
- International 300 USD

ADMISSION REQUIREMENTS

Bachelor's Degree

Industrial Engineering or any engineering discipline from an accredited institution

Language Proficiency

Through a valid TOEFL or IELTS score, in accordance with university regulations

Academic Competence

STUDY PLAN

The Master in Engineering Management program consists of 33 credit hours completed over two years, blending engineering and management education. Core courses include project management, decision support systems, logistics, simulation, and maintenance systems. Electives allow specialization in areas like quality systems, risk analysis, innovation, and human factors. Students choose between a thesis track for research or a non-thesis track with extra coursework and a comprehensive exam. The curriculum is regularly updated to meet industry needs and evolving technologies. Graduates are prepared for leadership roles in engineering, management, and strategic project execution.

LOCATION



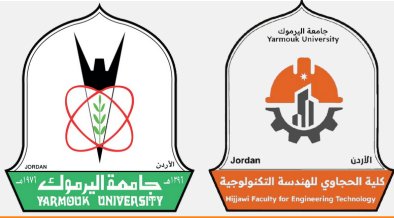
HIJAWI FACULTY FOR ENGINEERING TECHNOLOGY

CONTACT US

Department of Industrial Engineering

Email: ie.dept@yu.edu.jo

Phone: +962 2 721 1111 ext. 4291



MASTER'S DEGREE PROGRAM

ELECTRICAL POWER ENGINEERING

ABOUT THE PROGRAM

The Master in Electrical Power Engineering requires 33 credit hours, typically completed in two years. Core courses cover power system operation, power electronics, renewables, and system protection. Electives allow specialization in smart grids, high voltage, control theory, and more. The program offers Thesis and Non-Thesis tracks for research or coursework-focused paths. Thesis students conduct research and defend a thesis; Non-Thesis students complete extra courses and a comprehensive exam. Graduates gain advanced knowledge and practical skills for careers in modern power and energy sectors.

CAREER OPPORTUNITIES

- Power Utilities (generation, transmission, distribution).
- Renewable Energy
- Manufacturing (transformers, generators, switchgear)
- Regulatory and Policy Bodies
- Consultancy Firms
- Research and Development

TUITION FEES (Per Credit Hour)

- Jordanian 80 JOD
- International 300 USD



ADMISSION REQUIREMENTS

Bachelor's Degree

In power, electrical, renewable energy, or related engineering fields; electronics, telecom, or computer engineers may need extra coursework.

Language Proficiency

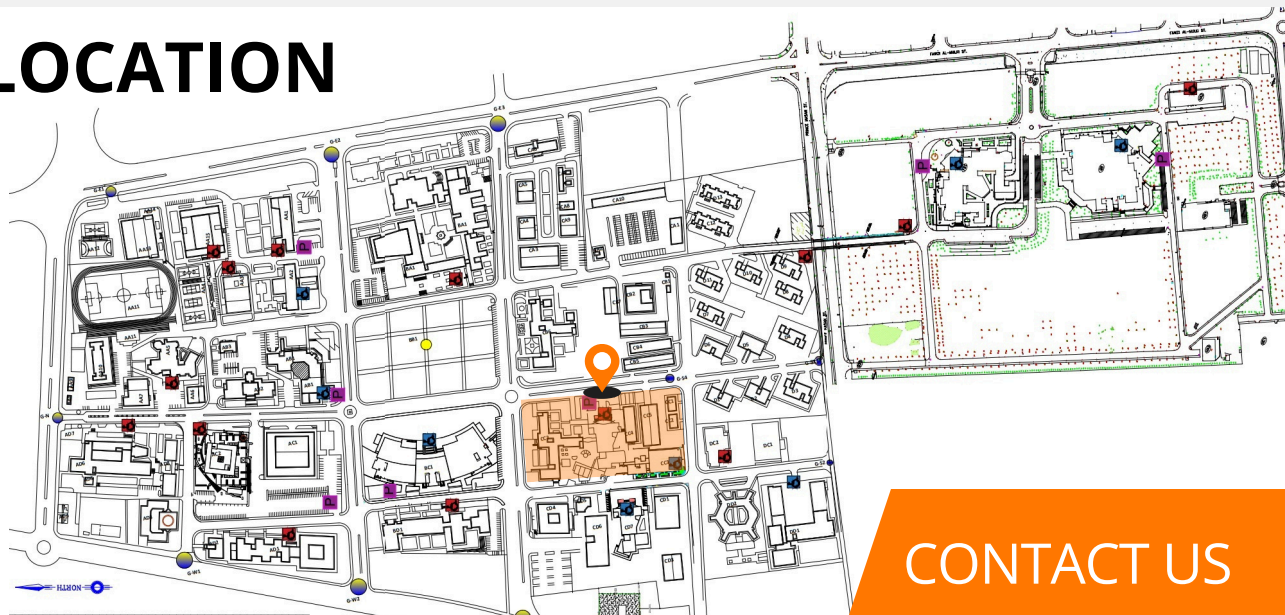
Through a valid TOEFL or IELTS score, in accordance with university regulations

Academic Competence

STUDY PLAN

The Master in Electrical Power Engineering requires 33 credit hours and is completed in about two years. Core courses cover power system operation, power electronics, renewables, protection, and advanced math. Electives allow specialization in smart grids, high voltage, control theory, and related fields. The program offers Thesis and Non-Thesis tracks for research or coursework-focused careers. Thesis students conduct research and defend a thesis; Non-Thesis students complete extra courses and a comprehensive exam. Graduates gain advanced knowledge and practical skills to innovate in modern power and energy industries.

LOCATION



 **HIJAWI FACULTY FOR ENGINEERING TECHNOLOGY**

CONTACT US

Department of Electrical Power Engineering

Email: electric.dept@yu.edu.jo

Phone: +962 2 721 1111 ext. 4239