BACHELOR'S DEGREE PROGRAM

CIVIL ENGINEERING

ABOUT THE PROGRAM

The Bachelor in Civil Engineering at Yarmouk University, updated in 2022, offers a unified curriculum aligned with global standards and aims for ABET accreditation. It prepares students for careers in infrastructure, structural, water, transportation, and environmental engineering. The program emphasizes both theory and practical skills through hands-on training and a two-term graduation project. Regular updates ensure relevance to modern technology and sustainability. Students gain real-world experience via field training. Graduates are ready for industry roles or advanced studies.

CAREER OPPORTUNITIES

- Engineering design and supervision
- Construction and project management
- Water resources and environmental engineering
- Transportation infrastructure and roadway design
- Urban development and municipal planning
- Scientific and applied research
- Civil Engineer
- Structural Engineer
- Project Manager
- Environmental Engineer

TUITION FEES

(Per Credit Hour)

Regular	60 JOD
Parallel	100 JOD
International	100 JOD

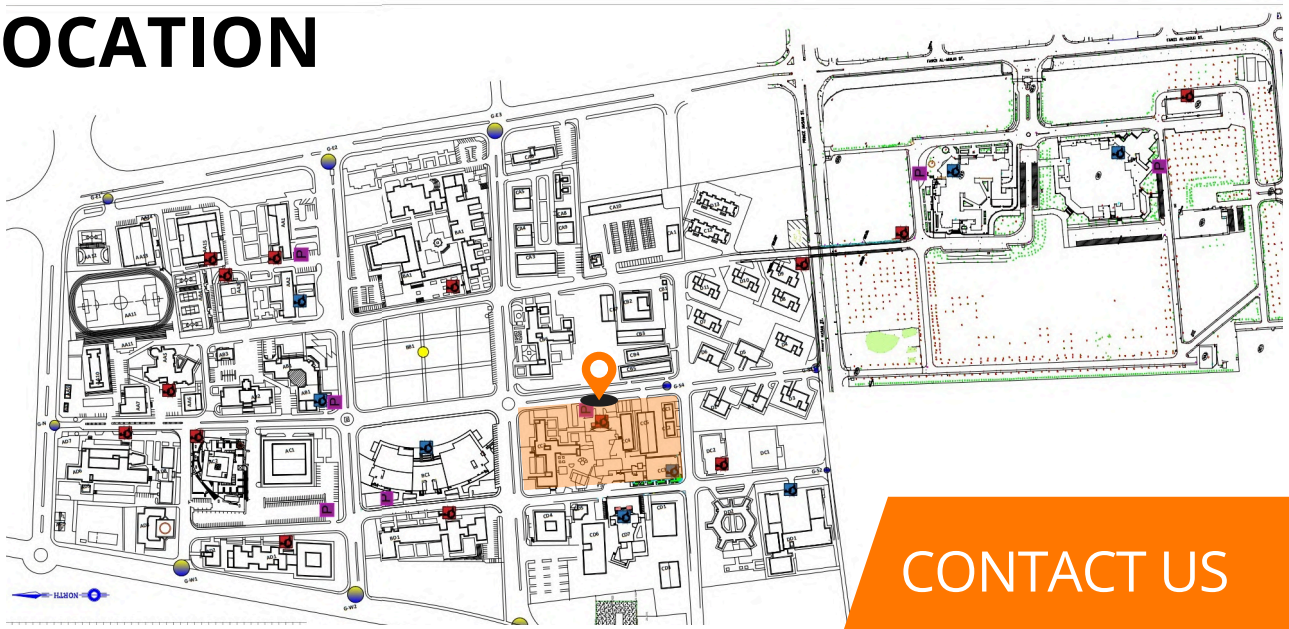
LABORATORIES

- ENGINEERING DRAWING
- ENVIRONMENTAL ENGINEERING
- SURVEYING
- GEOTECHNICAL ENGINEERING
- FLUID MECHANICS AND HYDRAULICS
- CONSTRUCTION MATERIALS
- HIGHWAY

STUDY PLAN

The Bachelor in Civil Engineering program includes 167 credit hours covering core areas like structural design, transportation, geotechnical, hydraulics, and environmental engineering. Students gain practical skills through labs in materials testing, soil mechanics, surveying, and more. A two-term graduation project lets students solve real-world problems, while a mandatory two-month field training offers professional experience. Foreign language courses enhance global employability. The curriculum is designed to prepare graduates for careers in construction, infrastructure, and environmental sectors or further studies. This comprehensive plan equips students with both technical knowledge and practical skills.

LOCATION



HIJJAWI FACULTY FOR ENGINEERING TECHNOLOGY

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BACHELOR'S DEGREE PROGRAM

COMMUNICATION ENGINEERING

ABOUT THE PROGRAM

The Bachelor in Communication Engineering program at Hijjawi Faculty was established in 1989. It is ABET-accredited under general and specialized engineering criteria.
The program blends theoretical knowledge with practical skills in communications.
Curriculum topics include wireless systems, antennas, networks, and signal processing.
Students complete a two-term graduation project and a four-month industry training.
Graduates are prepared for careers in telecommunications, government, or further studies.

CAREER OPPORTUNITIES

- Government sector
- Military and defense
- Global Tech Firms
- Academia & Research
- Space & Satellite
- Telecom Companies
- Consultancy & Training
- Aviation Support
- Network Management
- Cybersecurity/Radar Systems

ABET | Engineering Accreditation Commission

TUITION FEES
(Per Credit Hour)

- Regular 29 JOD
- Parallel 75 JOD
- International 75 JOD

LABORATORIES

Digital Signal Processing

Analog Communications

Fiber Optics Communications

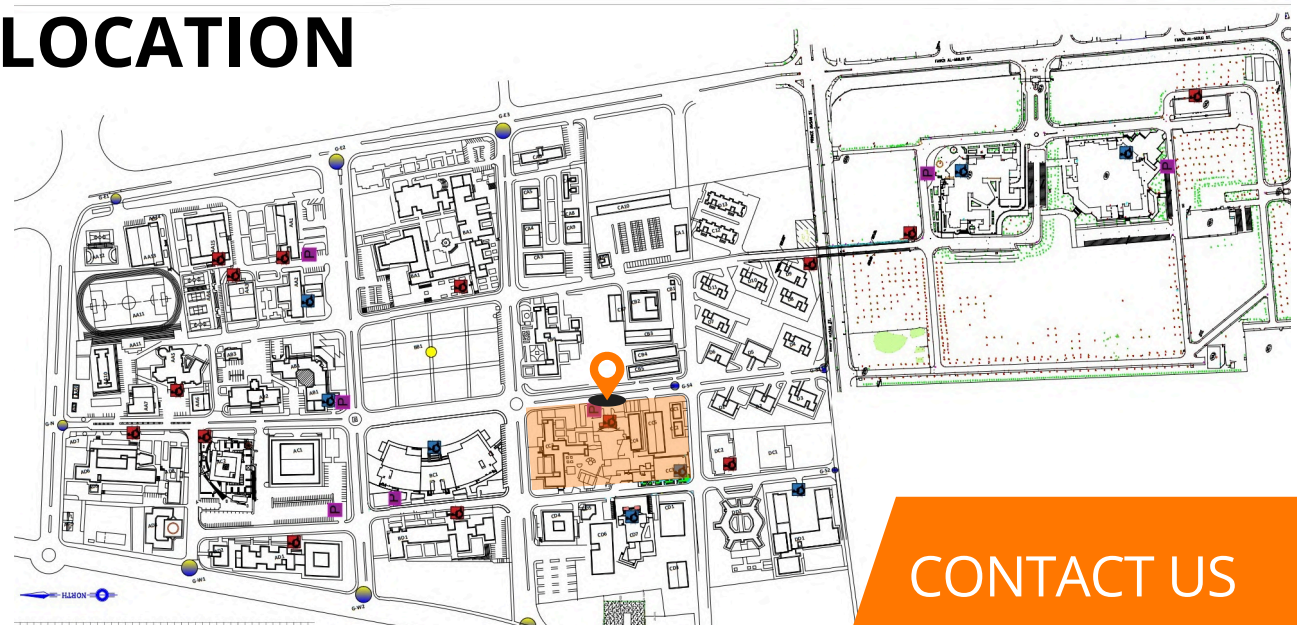
Antennas and Microwaves

Digital Communications

STUDY PLAN

The Communication Engineering program consists of 167 credit hours.
It includes core and advanced courses in modern communication technologies.
Specialized labs, a two-term graduation project, and four-month field training are required.
The curriculum emphasizes both theoretical knowledge and hands-on experience.
Foreign language courses enhance graduates' global employability.
Graduates are well-prepared to innovate and excel in the communications industry.

LOCATION



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BACHELOR'S DEGREE PROGRAM

COMPUTER ENGINEERING

ABOUT THE PROGRAM

The Bachelor in Computer Engineering program at Hijjawi Faculty was established in 1993. It is ABET-accredited under general and specialized engineering criteria.
The curriculum covers programming, digital systems, AI, cybersecurity, and networks.
Students complete a two-term graduation project and a four-month industry training.
The program integrates hardware and software engineering principles.
Graduates are prepared for careers in software, IT, AI, embedded systems, and advanced studies.

CAREER OPPORTUNITIES

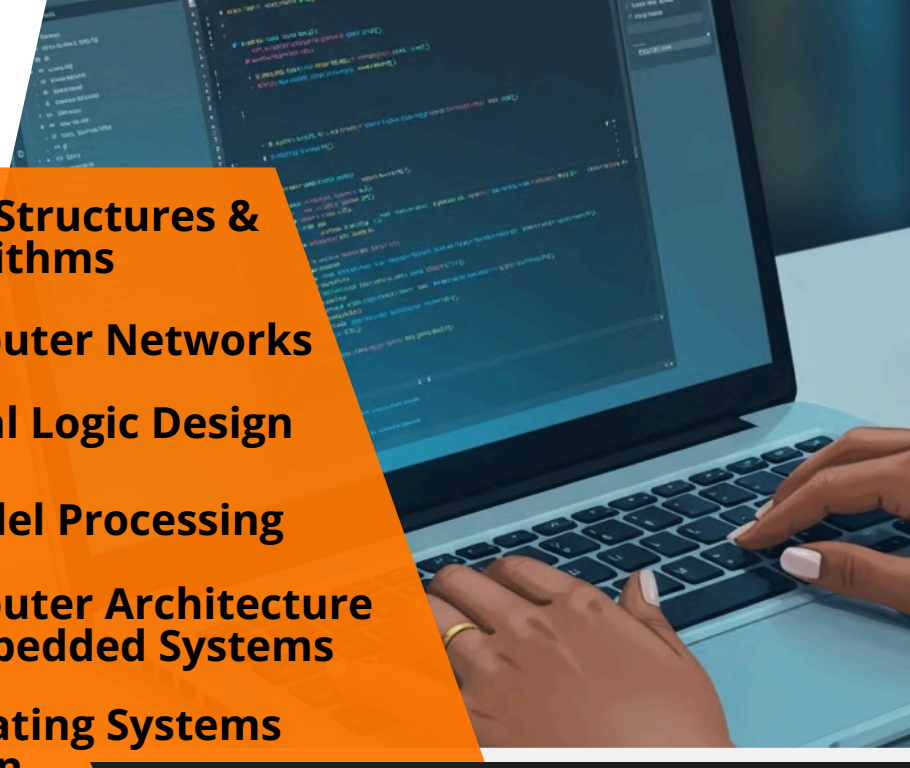
- Information Technology and Software Development
- Telecommunications
- Healthcare Technology
- Finance and Banking
- Automotive Industry
- Government and Defense
- Educational Institutions

ABET | Engineering Accreditation Commission

TUITION FEES
(Per Credit Hour)

- Regular 29 JOD
- Parallel 75 JOD
- International 75 JOD

LABORATORIES

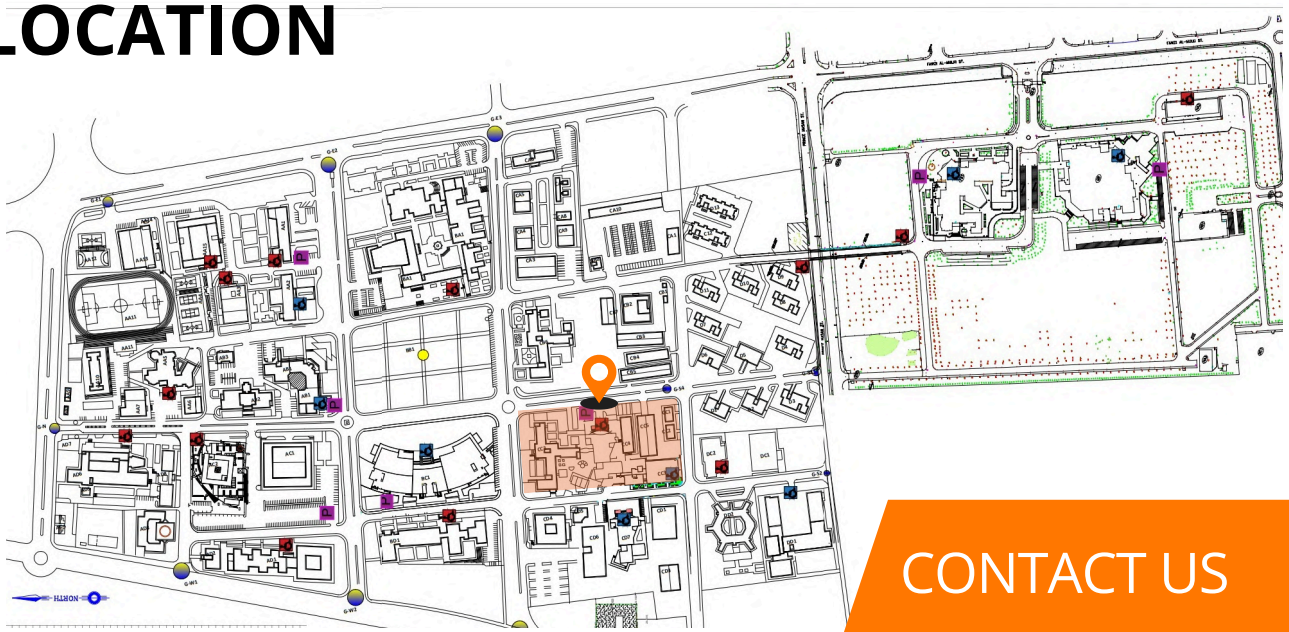


- Database Systems Design
- Artificial Intelligence & Machine Learning
- Object Oriented Programming & Design
- Microprocessor & Microcontroller Systems Design
- Software Engineering
- Data Structures & Algorithms
- Computer Networks
- Digital Logic Design
- Parallel Processing
- Computer Architecture & Embedded Systems
- Operating Systems Design

STUDY PLAN

The Computer Engineering program consists of 167 credit hours in hardware and software topics. It includes hands-on labs, four career development courses, and a two-term graduation project. Students complete a four-month industry training with leading tech companies. Up to three electives can be waived with recognized international certifications. Foreign language courses support global employability and academic advancement. The curriculum prepares students with strong technical, problem-solving, and professional skills.

LOCATION



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BACHELOR'S DEGREE PROGRAM

ELECTRONICS AND ROBOTICS ENGINEERING

ABOUT THE PROGRAM

The Bachelor in Electronics Engineering program at Hijjawi Faculty began in 1993.
It is ABET-accredited under general and specialized engineering criteria.
In 2024, it was renamed to Bachelor in Electronics and Robotics Engineering. The program integrates electronics, computer science, and mechanical engineering.
It prepares students to design intelligent systems for various industries.
The curriculum includes specialized courses, career training, and graduation projects.

CAREER OPPORTUNITIES

- Robotics Engineer
- Control Systems Engineer
- Electronics Engineer
- Embedded Systems Engineer
- Robotics Software Developer
- Intelligent Systems Engineer
- Medical Robotics Engineer
- Medical Systems Engineer

ABET Engineering Accreditation Commission

TUITION FEES
(Per Credit Hour)

Regular	60 JOD
Parallel	100 JOD
International	100 JOD

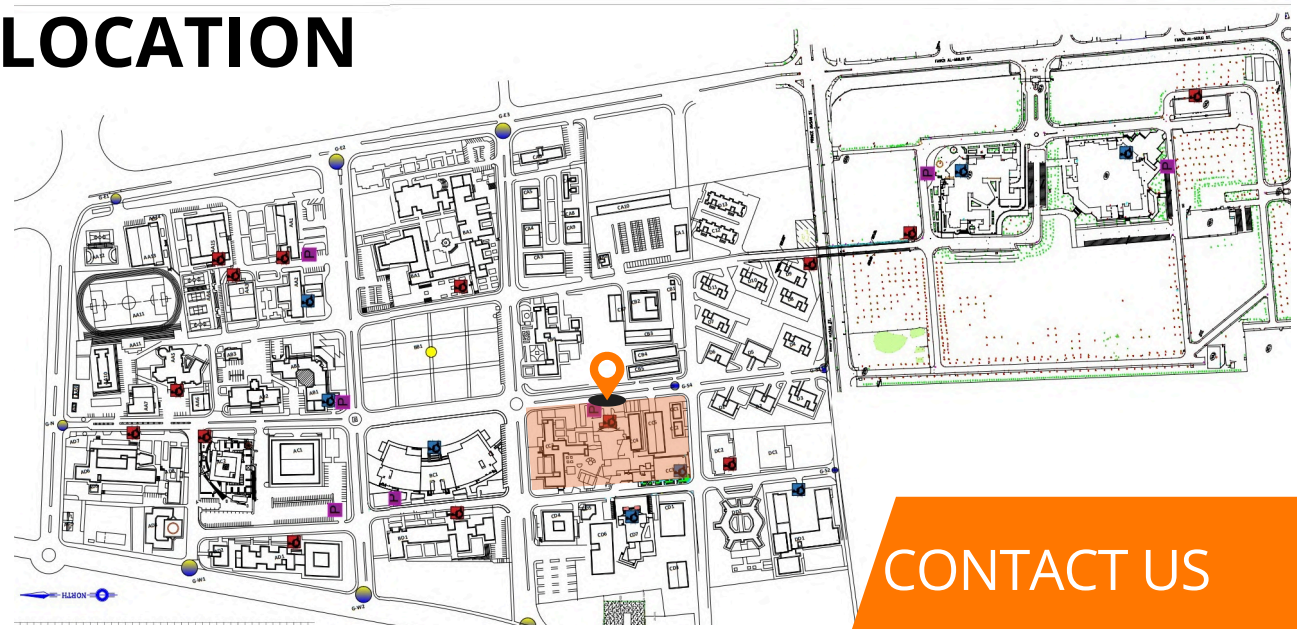
LABORATORIES

- **Electronic Design & Manufacturing**
- **Mobile Robotics Systems**
- **Computer-Aided Mechanical Systems Design**
- **Electronics & Computer Maintenance**
- **Robotics Systems**
- **Integrated Circuit Design**
- **Integrated Circuit Design**
- **Computer-Aided Design**
- **Field-Programmable Gate Array (FPGA)**
- **Specialized Measurements**
- **IoT Applications**

STUDY PLAN

The Bachelor in Electronics and Robotics Engineering program includes 167 credit hours.
It offers specialized courses with hands-on labs in electronics and robotics.
Four career development courses enhance both technical and soft skills.
Students complete two capstone projects and a four-month industry training.
Up to three electives can be waived with recognized international certifications.
Foreign language courses boost employability in global markets and academia.

LOCATION



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BACHELOR'S DEGREE PROGRAM

ELECTRICAL POWER ENGINEERING

ABOUT THE PROGRAM

The Bachelor in Electrical Power Engineering at Hijjawi Faculty was established in 1993 and is ABET-accredited. The program covers core topics like electrical machines, power systems, smart grids, and renewable energy. The curriculum is regularly updated to meet industry advancements and needs. Students complete a two-term graduation project and four-month full-time practical training. Hands-on experience bridges academic learning with real-world power engineering applications. Graduates are prepared for careers in power engineering or advanced studies.

CAREER OPPORTUNITIES

- Power Systems Engineer
- Electrical Design Engineer
- Energy Consultant
- Renewable Energy Engineer
- Substation or Transmission Engineer
- Automation and Control Engineer
- Electrical Project Manager
- Academic or Research Assistant

ABET | Engineering Accreditation Commission

TUITION FEES
(Per Credit Hour)

Regular	29 JOD
Parallel	75 JOD
International	75 JOD

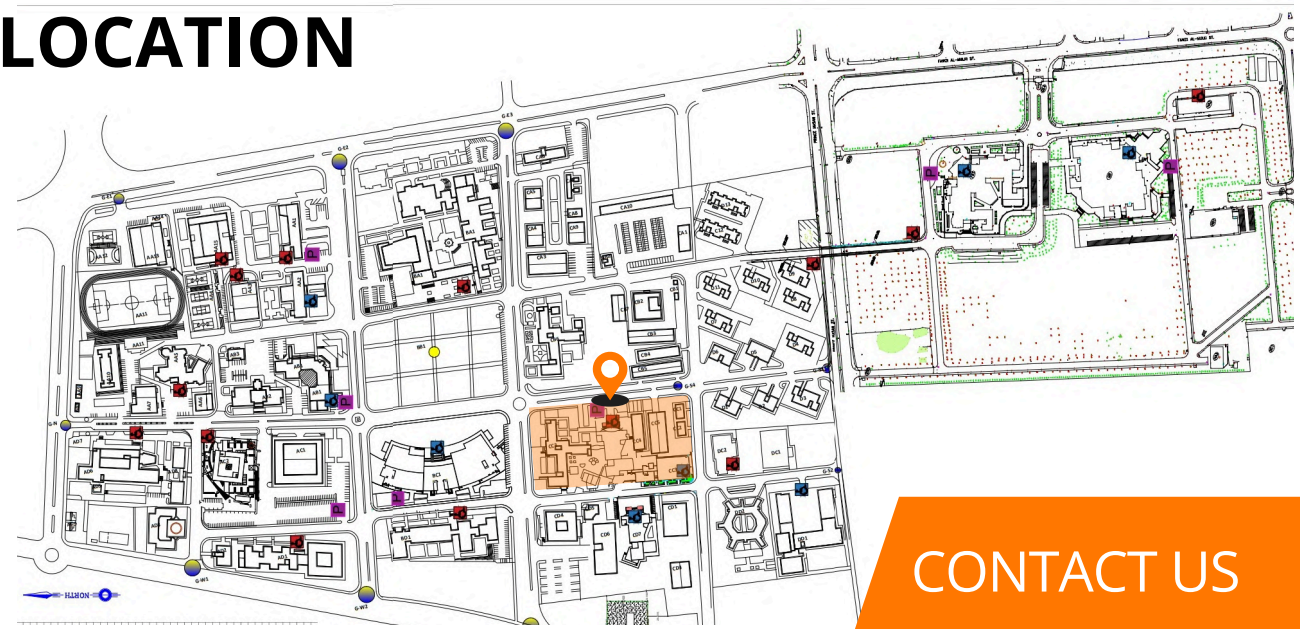
LABORATORIES

- Automatic Control System
- Power System Protection
- Computer Applications in Power Systems
- Electrical Machines
- Power Electronics
- Measurements and Instrumentation
- Direct Current Circuits
- Electric Circuits

STUDY PLAN

The Electrical Power Engineering program includes 167 credit hours covering core and advanced power topics. It features practical labs, four career development courses, and a two-term graduation project. Students complete a four-month industry training for hands-on real-world experience. Up to three electives can be waived with recognized international certifications. Foreign language courses enhance global career and academic opportunities. The curriculum prepares students to be skilled and innovative power engineers for modern industries.

LOCATION



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BACHELOR'S DEGREE PROGRAM

INDUSTRIAL ENGINEERING

ABOUT THE PROGRAM

The Bachelor in Industrial Engineering at Yarmouk University (est. 2013) is ABET-accredited and prepares students for engineering and management roles. The program covers operations, systems analysis, quality, and manufacturing, focusing on integrating people, technology, and processes. Practical learning includes labs, field training, and a two-term graduation project. Graduates are equipped for industry careers or further studies with a modern, evolving curriculum.

CAREER OPPORTUNITIES

- Manufacturing & Production
- Logistics & Transportation
- Finance & Consulting
- Technology
- Public Sector
- Operations Research Engineer
- Supply Chain Engineer
- Production Engineer
- Quality Engineer
- Project Manager

ABET | Engineering Accreditation Commission

TUITION FEES
(Per Credit Hour)

- Regular 50 JOD
- Parallel 90 JOD
- International 90 JOD

LABORATORIES

INSTRUMENTATION AND MEASUREMENT

MANUFACTURING

MATERIALS ENGINEERING

ENGINEERING WORKSHOPS

HUMAN FACTORS

COMPUTER-AIDED DESIGN

STUDY PLAN

The Industrial Engineering Bachelor's (167 credits) combines theory and practical learning in operations research, systems analysis, and manufacturing.

Students gain hands-on experience through labs, a two-term graduation project, and field training. Career development and language courses enhance global readiness.

Certifications may waive up to three electives. The program prepares students for diverse industrial engineering careers with strong technical and professional skills.

LOCATION

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BACHELOR'S DEGREE PROGRAM

COMPUTER ENGINEERING INTERNET OF THINGS

ABOUT THE PROGRAM

The Bachelor in Computer Engineering / IoT program was established in 2023 and aims for ABET accreditation. It combines hardware and software engineering with IoT, cybersecurity, AI, and big data training. Students learn to design complete IoT solutions for areas like digital health and smart cities. The program emphasizes teamwork, communication, and professional skills through project-based learning. A final-year capstone project and industry internships provide practical experience. Graduates are prepared for careers in software development, embedded systems, networks, and data analytics.

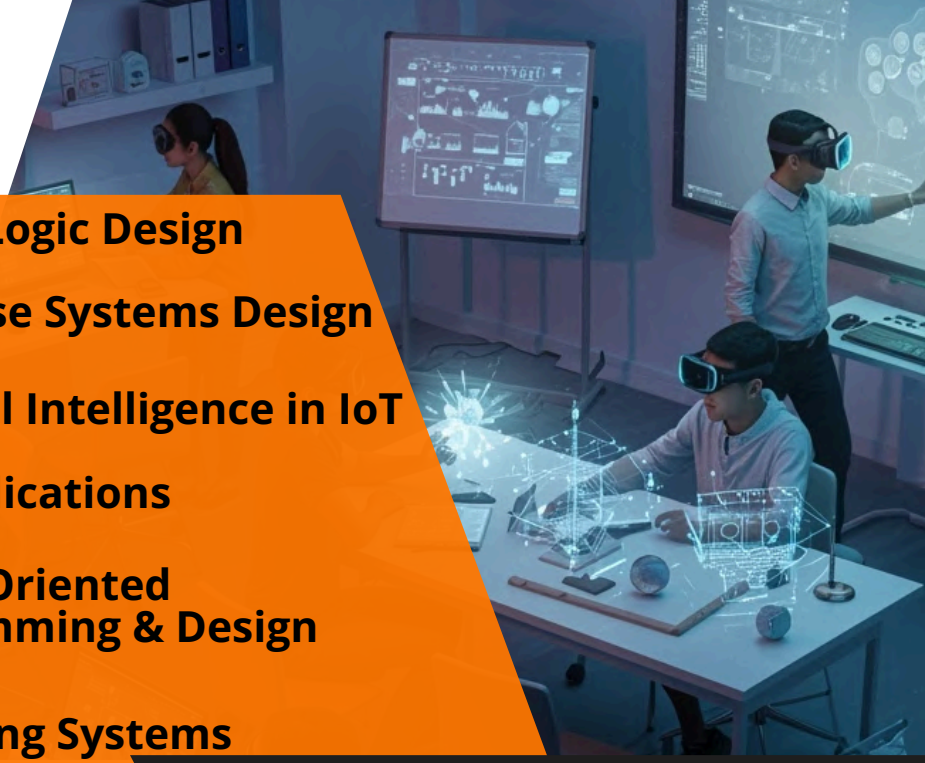
CAREER OPPORTUNITIES

- Smart Cities and Urban Development
- Healthcare and Medical Technology
- Transportation and Logistics
- Agriculture (Smart Farming)
- Manufacturing and Industry 4.0
- Information Technology and Software Development
- Telecommunications and Networking

TUITION FEES
(Per Credit Hour)

Regular	80 JOD
Parallel	120 JOD
International	120 JOD

LABORATORIES

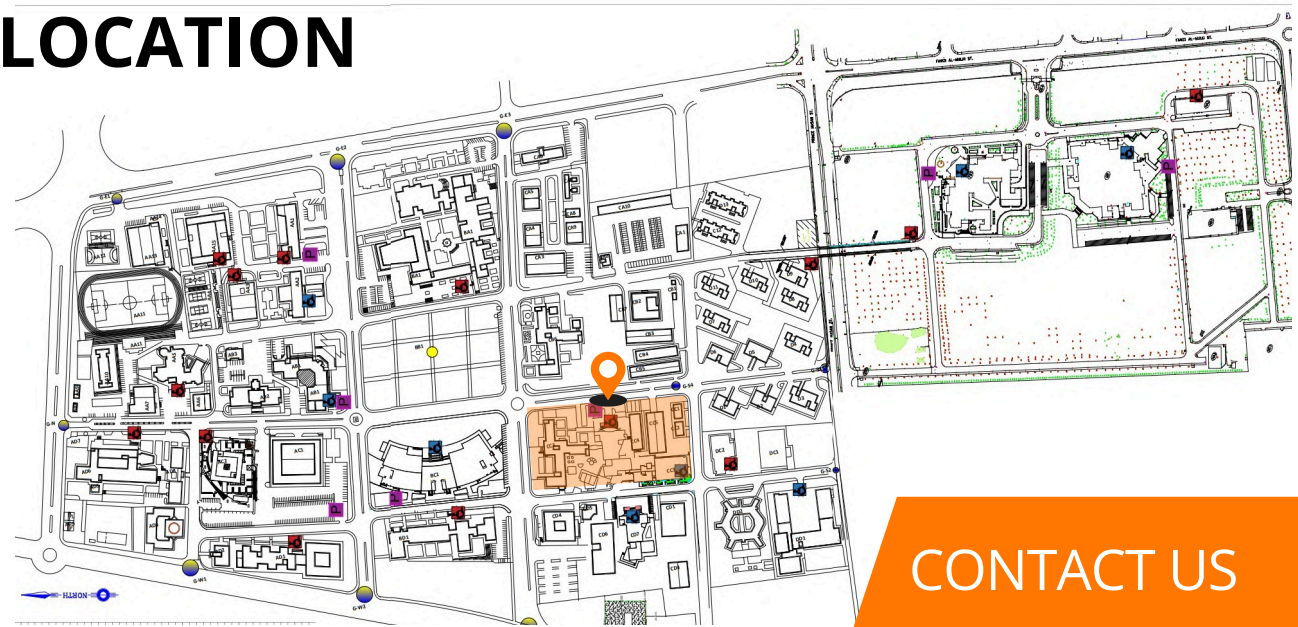


- Wireless IoT
- Data Structures & Algorithms
- IoT Security & Privacy
- Microprocessor & Microcontroller Systems Design
- Computer Networks
- Digital Logic Design
- Database Systems Design
- Artificial Intelligence in IoT
- IoT Applications
- Object Oriented Programming & Design
- Operating Systems Design

STUDY PLAN

The IoT program consists of 167 credit hours, blending core computer engineering with IoT, AI, and cloud computing. It features hands-on labs in embedded systems, smart devices, and wireless networks. Four career development courses enhance both technical and soft skills from year one. Students complete a four-month industry training in smart and connected sectors. Up to three electives may be waived with relevant international certifications. Foreign language courses and a globally focused curriculum boost international career readiness.

LOCATION



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BACHELOR'S DEGREE PROGRAM

SMART AND SUSTAINABLE CITIES ENGINEERING

ABOUT THE PROGRAM

The Smart and Sustainable Cities Engineering program at Yarmouk University is the first of its kind in Jordan. It integrates engineering, urban planning, and digital technologies to address modern urban challenges. Students gain skills in smart energy, transport, water, waste, and urban resilience. Key tools include AI, IoT, Smart Grids, and Digital Twins for sustainable city solutions. Graduates are equipped to lead in smart, sustainable urban development locally and globally.

CAREER OPPORTUNITIES

- Smart city development and urban innovation
- Sustainable infrastructure and environmental planning
- Information and communication technology (ICT) for cities
- Renewable energy and resource management
- Urban data analytics and sensor networks
- Smart City Systems Engineer
- Sustainable Urban Infrastructure Specialist
- IoT Solutions Architect for Cities
- Environmental Data Analyst
- Renewable Energy Integration Engineer

TUITION FEES
(Per Credit Hour)

Regular	90 JOD
Parallel	150 JOD
International	150 JOD

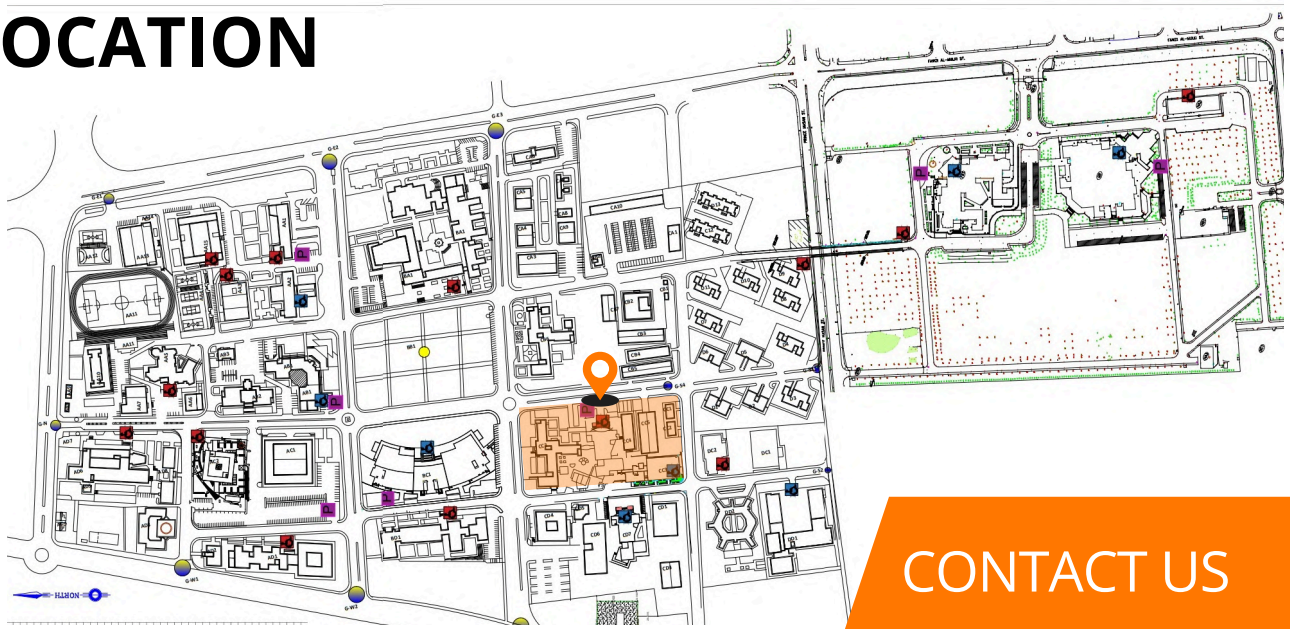
LABORATORIES

- SMART CITIES SYSTEMS
- SUSTAINABLE URBAN PLANNING
- INTERNET OF THINGS
- GREEN INFRASTRUCTURE
- SUSTAINABLE ENERGY MANAGEMENT
- SMART GRIDS

STUDY PLAN

The Smart and Sustainable Cities Engineering program includes 167 credit hours, blending engineering, sustainability, and smart technologies. Students study infrastructure, energy, transport, and environmental systems, with training in IoT, AI, Digital Twins, and smart grids. Hands-on labs, GIS, and simulation modeling develop practical skills in urban planning and system integration. Career development courses build both technical and soft skills, starting from the first year. A four-month full-time training connects students with real-world smart city projects. Certifications may waive electives, and language courses support international career opportunities.

LOCATION



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BACHELOR'S DEGREE PROGRAM

ARCHITECTURAL ENGINEERING

ABOUT THE PROGRAM

The Bachelor in Architectural Engineering at Yarmouk University (est. 2013) trains creative architects in technical and artistic aspects. The program covers design, engineering, sustainability, structures, materials, and urban planning. It emphasizes practical learning through studios, labs, and site visits, culminating in a final graduation project. The curriculum is regularly updated to align with global trends. Graduates are prepared for careers in architecture, urban planning, and construction management.

CAREER OPPORTUNITIES

- Architectural and Engineering Consultancy Firms
- Construction and Contracting Companies
- Government Agencies
- Research and Development Institutions
- Higher Education and Academic Institutions
- Project Supervision and Construction Management
- Sustainable Design and Green Building Practices
- Urban and Regional Planning
- Heritage Conservation and Restoration

TUITION FEES

(Per Credit Hour)

- Regular 60 JOD
- Parallel 100 JOD
- International 100 JOD

LABORATORIES

ARCHITECTURAL DRAWING & DESIGN

COMPUTER DRAWINGS & AIDED DESIGN

ARCHITECTURAL DESIGN STUDIOS

MODEL-MAKING WORKSHOP

STUDY PLAN

The Bachelor in Architectural Engineering (167 credits) combines theory and practical design in areas like construction, structures, sustainability, and urban planning. Students develop skills through studios, labs, a two-term graduation project, and field training. Career development is integrated, with certifications possibly waiving electives. Language courses enhance global readiness. The program prepares graduates for evolving architectural challenges.

LOCATION

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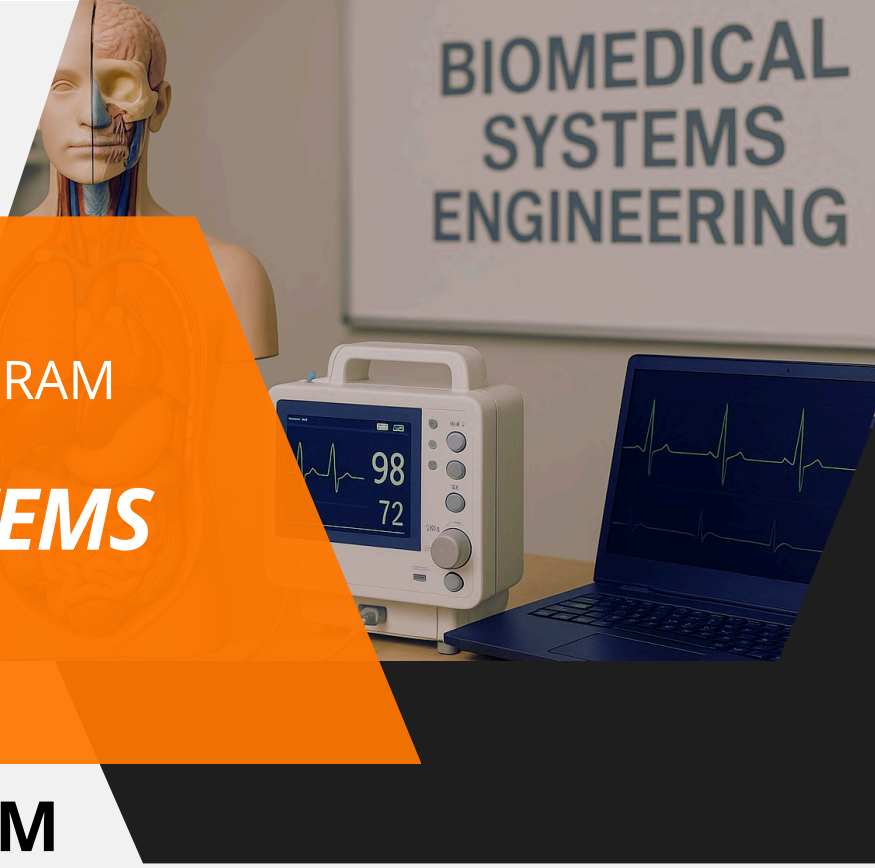


BACHELOR'S DEGREE PROGRAM

BIOMEDICAL SYSTEMS ENGINEERING

ABOUT THE PROGRAM

The Bachelor in Biomedical Systems Engineering was established in 2007 at Hijjawi Faculty and is ABET-accredited. Developed with European and Jordanian partners, it meets international standards and market needs. The program combines engineering with biomedical sciences for healthcare technology careers. Key topics include biomedical instrumentation, medical electronics, biomechanics, and bioinformatics. Students complete a two-term graduation project and four-month practical training in relevant settings. Graduates are prepared for careers in biomedical engineering, clinical technology, or advanced studies.

CAREER OPPORTUNITIES

- Hospitals and healthcare institutions
- Medical Device Companies
- Academic/Clinical Research
- Medical Device Companies
- Biomedical R&D Centers
- Healthcare IT Firms
- Regulatory Agencies
- Field Service Engineer for medical equipment

ABET | Engineering Accreditation Commission

TUITION FEES
(Per Credit Hour)

- Regular 45 JOD
- Parallel 75 JOD
- International 75 JOD

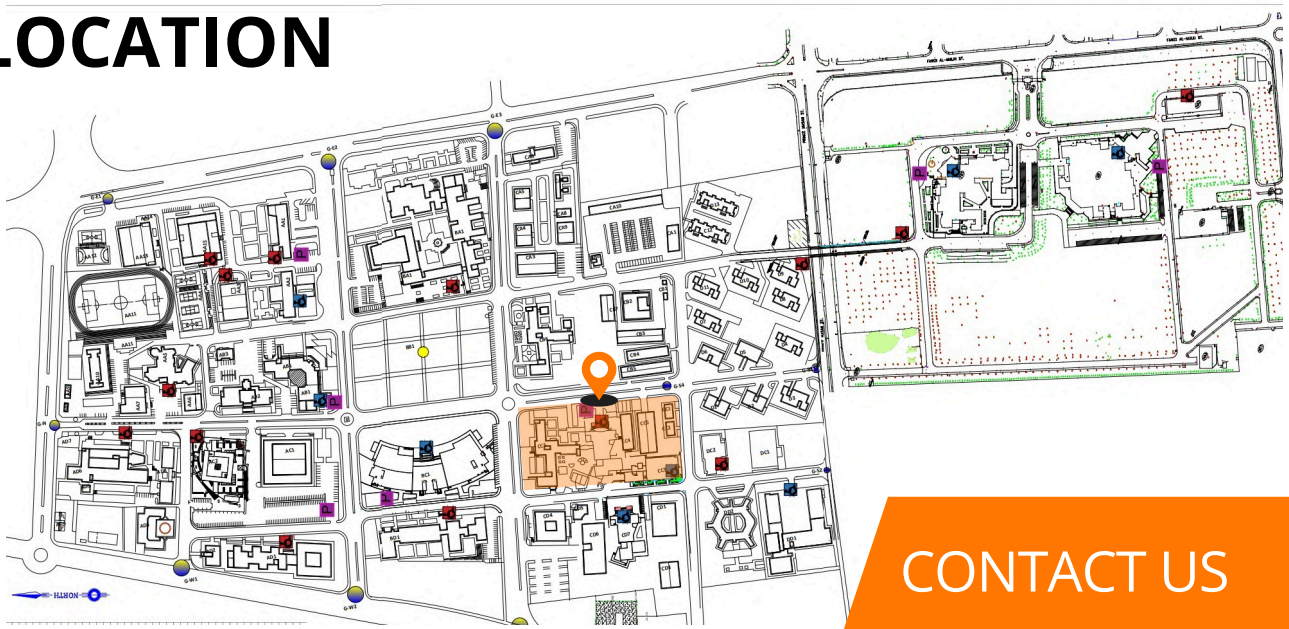
LABORATORIES

- **Maintenance of Biomedical Devices**
- **Biomechanics Biomaterials**
- **Human Physiology & Biological Readings**
- **Biomedical Signals Processing**
- **Medical Imaging**
- **Biomedical Instrumentation &Transducers**
- **Biomedical Electronics**
- **Programmable Circuits & Microcontrollers**
- **Medical Instruments & Devices**

STUDY PLAN

The Biomedical Systems Engineering program includes 167 credit hours covering core and advanced biomedical topics. It combines theoretical coursework with practical labs in medical electronics, imaging, and bioinformatics. Four career development courses build professional and soft skills throughout the program. Students complete a two-term graduation project and a four-month full-time field training. Up to one elective can be waived with relevant international certifications; foreign language courses enhance global opportunities. The curriculum prepares graduates with interdisciplinary knowledge and hands-on experience for biomedical engineering careers.

LOCATION



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BACHELOR'S DEGREE PROGRAM

BIOMEDICAL INFORMATICS ENGINEERING

ABOUT THE PROGRAM

The Bachelor in Biomedical Informatics Engineering at Yarmouk University (est. 2007) is ABET-accredited and combines computer science, biomedical engineering, and healthcare. The curriculum covers medical informatics, bioinformatics, data analytics, and health IT, with a graduation project and four-month field training. Hands-on experience is gained in hospitals, labs, or health tech companies. Graduates are prepared for careers in digital health, data analysis, and advanced studies.

CAREER OPPORTUNITIES

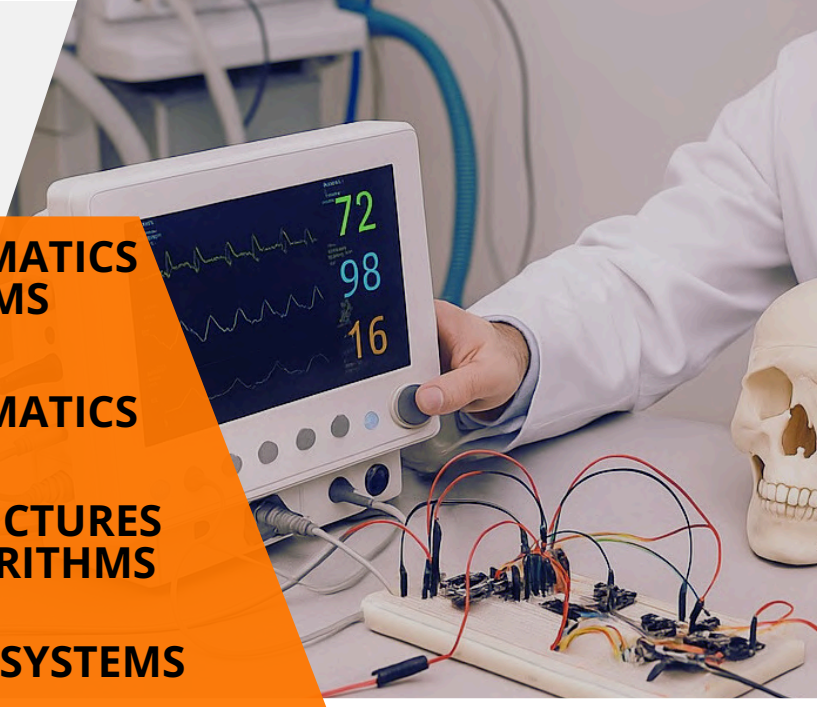
- Hospitals and healthcare institutions
- Health informatics and electronic health record
- Biomedical and clinical research organizations
- Bioinformatics firms and pharmaceutical companies
- Public health and epidemiological agencies
- Biomedical Informatics Engineer
- Health Information Systems Developer
- Clinical Data Analyst
- Bioinformatics Specialist
- Medical Software Engineer

ABET | Engineering Accreditation Commission

TUITION FEES
(Per Credit Hour)

- Regular 45 JOD
- Parallel 75 JOD
- International 75 JOD

LABORATORIES



PROGRAMMABLE CIRCUITS & MICROCONTROLLERS

BIOMEDICAL INSTRUMENTATION AND TRANSDUCERS

COMPUTER APPLICATIONS ON BIOMEDICAL INFORMATICS

BIOINFORMATICS ALGORITHMS

BIOINFORMATICS

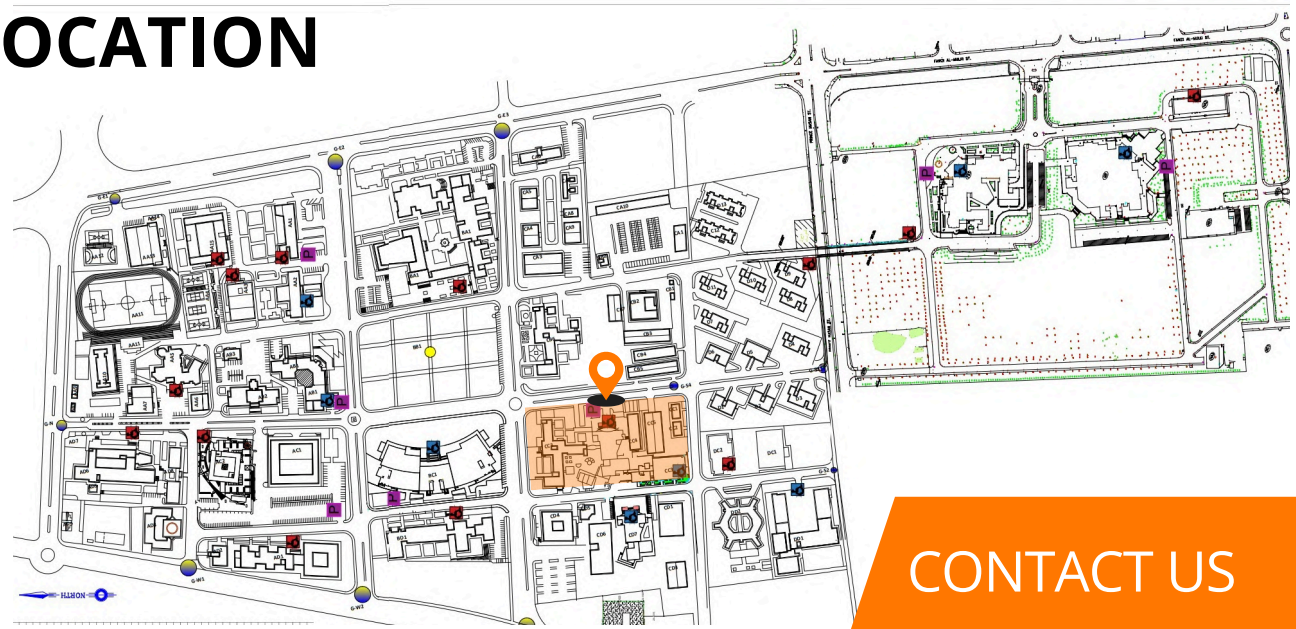
DATA STRUCTURES AND ALGORITHMS

DATABASE SYSTEMS DESIGN

STUDY PLAN

The Bachelor in Biomedical Informatics Engineering program includes 167 credit hours covering medical informatics, bioinformatics, data analytics, and machine learning. It combines theoretical study with hands-on labs in programming, medical imaging, and health IT. Four career development courses enhance professional and communication skills. Students complete a two-term graduation project and a mandatory four-month field training in healthcare or tech settings. Certifications can waive one elective, and language courses support global opportunities. The curriculum prepares graduates for careers at the intersection of healthcare and information technology.

LOCATION



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