

## Study Master of Science in Computer Engineering @GJU

Study M.Sc. in Computer Engineering, with an option for a double degree in cooperation with German partner universities. Our program has a unique feature in its applied orientation, fostering hands on experience as well as research innovation.

The core courses of the program provide students with a broad knowledge of advanced topics in computer architecture, networking, and distributed systems. The elective courses emphasize a specialization track in one of the following areas:

Autonomous system  
Hardware System Design  
Computer Network  
Software System Design

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## Double Degree Arrangement

The double degree program in Computer Engineering is optional to all students. In order to be accepted in the double degree option, students must also be admitted at the master program in the German partner university, and must fulfill their degree requirements. As of February 2013 a double degree arrangement is signed with Bonn-Rhine-Sieg University of Applied Science for the specialization in Autonomous Systems.

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## Enrolment

Students wishing to enroll in the masters degree program in Computer Engineering must have:

A. Obtained a Bachelor of Science degree with a GPA of not less than 70% or equivalent, in the following disciplines:

- Computer science
- Computer Information Systems
- Management Information Systems
- Computer Engineering
- Communications Engineering
- Software Engineering
- Electrical/Electronics Engineering
- Mechanical Engineering
- Mechatronics Engineering

B. Passed the TOEFL Exam with a minimum score of 500 or equivalent



### A - GJU Degree with no German Year.

	Sept - Feb	Mar - Jul	Sept - Feb	Feb - June
Type	Semester 1 @ GJU	Semester 2 @ GJU	Semester 3 @ GJU	Semester 4 @ GJU
Lectures	CE701 Probability and stochastic modeling CE702 Parallel and distributed systems CE705 Real-time Systems	CE703 Advanced computer architecture and organization CE 704 Network and communication systems <i>Technical Elective 1</i>	<i>Elective 1</i> <i>Elective 2</i>	<i>Elective 3</i>
Seminars	-	Scientific Work	-	-
Lab	-	-	Scientific Experimentation and Evaluation	
Research Work	-	Master's Thesis Proposal	Master's Thesis	

### B- GJU degree with German year.

	Sept - Feb	Mar - Jul	Sept - Feb	Feb - June
Type	Semester 1 @ GJU	Semester 2 @ GJU	Semester 3 @German partner university	Semester 4a @German partner university
Lectures	CE701 Probability and stochastic modeling CE702 Parallel and distributed systems CE705 Real-time Systems	CE703 Advanced computer architecture and organization CE 704 Network and communication systems <i>Technical Elective 1</i>	<i>Elective 1</i> <i>Elective 2</i>	<i>Elective 3</i>
Seminars	-	Scientific Work	-	-
Lab	-	-	Scientific Experimentation and Evaluation	
Research Work	-	Master's Thesis Proposal	Master's Thesis	

### C- GJU and BRSU Double degree.

	Sept - Feb	Mar - Jul	Sept - Feb	Feb - June	Jun - Dec
Type	Semester 1 @ GJU	Semester 2 @BRSU	Semester 3 @BRSU	Semester 4a @GJU	Semester 4b @GJU
Lectures	CE701 Probability and stochastic modeling CE702 Parallel and distributed systems	Advanced Software Technology Autonomous Mobile Robots Mathematics for Robotics and control Principles of cognitive robotics	<i>Technical elective 1</i> <i>Technical elective 2</i>  Robot System Design Robot Manipulation	CE703 Advanced computer architecture and organization CE 704 Network and communication systems <i>Technical Elective 1</i>	-
Seminars	-	Introduction to Scientific Work	Advanced Scientific Work	-	-
Lab	CE705 Real-time Systems	-	Scientific Experimentation and Evaluation	-	-
Research Work	-	Master's Thesis Proposal	Research & Development Project	Master's Thesis Proposal R&D Colloquium	Master's Thesis

## Tuition and fees

- Credit hour fee: 100 JD
- Admission/Acceptance fee: 80 JD
- Refundable Collateral fees: 100 JD
- Registration Fees\ per semester: 50 JD
- Computer Fees\ per semester: 30 JD
- Medical Insurance Fee\ per semester: 20 JD

## Program features

- Study in English
- Possibility to obtain an internationally accredited degree (Germany and Jordan)
- Opportunity to obtain a full scholarship at GJU
- Opportunity to obtain a DAAD scholarship for the German year
- Preparation for PhD
- Professional qualifications with hands on experiences
- Free German language classes
- High profile research projects

## Contact Information

For application and other enquiries, please contact:

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URL:<http://sic.gju.edu.jo/content/msc-computer-engineering>

