



الجامعة الألمانية الأردنية  
German Jordanian University

# Graduate Studies



Graduate Studies @GJU | 2016  
Innovative research, graduate learning and  
teaching, and creative practice

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## PREFACE

The German Jordanian University (GJU) has proven to be one of the leading universities in Jordan and its uniqueness comes from the design of its programs being responsive to the market demand and the needs of industry, management, and government.

Graduate studies at GJU are of distinguished nature, with highly regarded graduate programs taught in English with most entrepreneurial and innovative curricula structures adapted to the industrial needs and offered at a unique location with state-of-the-art facilities and resources. Many graduate programs are operated with one or more German partner universities. Students may choose to spend one semester in a German partner university. Such an interaction is vital to the transfer of high tech expertise in all fields. GJU graduate programs benefit from the flying faculty program, which is supported by DAAD, where a German Faculty member may spend few weeks at GJU teaching a regular course in an intensified manner. Furthermore, a profound partnership has been established with the private sector for the graduate school of business and public private partnership will continue to be enhanced.

Scientific research at GJU is considered to be one of the vital roles of faculty members. High caliber research has profound impacts on researchers, students, the institution and the country. It stimulates thought, expands horizons, enhances reputations, finds new topics for master theses students and solves important issues. The deanship is meant to help GJU achieves these goals. This is done through providing seed funding for research grants, supporting access to national and international funding, facilitating publication of research results, and encouraging faculty to participate in international scientific conferences. It is intended to establish profound research lines that will ultimately be self-sustaining. GJU provides limited funds to be used as seed grants, stop gap grants, supplementary grants and student research grants.

We strive to provide fascinating environment for innovative research, graduate learning and teaching, and creative practice so that our students receive a well-rounded education and our faculty get optimal support, while ensuring that codes of academic discipline are fulfilled to the maximum possible extent with transparency and equal opportunity for all.

Sincerely,

*Prof. Dr. Salem Al-Aqtash*

Dean of Graduate Studies and Scientific Research

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## DISCOVER GJU

GJU is a leading Jordanian public university, located in Amman. It has students from across the region studying in variety of programs in engineering, business, and humanities. The programs are designed to meet the needs of the industry, the business world, and the market place. GJU has forged several partnerships with industry to create opportunities for greater collaboration in the areas of research and exchange of ideas and experiences. This has given GJU a niche and a potential to meet market demands for highly skilled labor and provide an incentive for further investment and partnerships. Its educational model is becoming a pioneer and its mission is to serve as an elite institution educating students to play a significant role in developing creative business, technology, and engineering solutions to meet local and global challenges and issues.

## PROSPECTIVE STUDENTS

Choosing GJU for your graduate studies is the right decision. In collaboration with schools and departments, we offers graduate degrees in variety of disciplines including engineering, architecture, business, language, and visual rehabilitation. Please explore your opportunities by browsing the following pages of the GJU Graduate Studies brochure.

## WHY GRADUATE STUDIES?

Pursuing graduate studies is a key to personal development for the following obvious reasons:

- Support personal initiatives and talents to explore research potential for solving pressing global challenges and issues
- Provide self-esteem to contribute to advancement of science and discovery of new knowledge
- Improve job opportunities and living standards with advanced knowledge and skills

## WHY CHOOSE GJU?

GJU is the right choice for graduate studies because of the following:

- Highly regarded programs taught in English with most entrepreneurial and innovative curricula structures adapted to the industrial needs
- Unique location with state-of-the-art facilities and resources
- Multidisciplinary research that bridges science from variety of domains
- Welcoming community inspired by trust, respect, values, and integrity
- Opportunity to study in Germany via the study abroad program organized in coordination with GJU partner universities
- Opportunity to obtain GJU or DAAD scholarship for further postgraduate

## WHY JORDAN?

Studying in Jordan is a great opportunity for foreign students and that is because of its:

- Spectacular high quality education opportunities
- Internationally recognized degrees and qualifications
- Low cost of education and living in Jordan
- Beautiful landscape, amazing nature, hospitality of people,
- Modern infrastructure and ease of access to all types of logistics and services
- Stable political and economic system

## GRADUATE PROGRAMS

GJU offers the following graduate programs on both thesis and non-thesis tracks:

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### ARCHITECTURAL CONSERVATION

The M.Sc. program in Architectural Conversation is designed for students whose career interests are in architecture. It provides knowledge and understanding of architectural conservation, along with practical conservation skills to preserve buildings and heritage sites.

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### BUSINESS ADMINISTRATION

The MBA program in Business Administration is planned for students whose career interests are in management and business careers. The program has been designed to bolster the advancement of knowledge with practical real-world applications. Its major concentrations are in Management, Marketing, Human Resources Management, Banking and Finance, Quality Management and Logistics.

### COMPUTER ENGINEERING

The M.Sc. program in Computer Engineering is intended for students whose career interests are in computer hardware, software, networking, and robotics. The program's unique feature is in the applied nature that fosters hands on experience as well as research innovation. The core courses of the program provide students with a broad knowledge of computer systems, advanced topics in operating systems and computer architecture, networking, and distributed systems. The core courses are to be taken at GJU in the first two semesters of the program. After completion of the first year, students have their choice of specialized courses to be offered at GJU or taken at the German partner universities. These specialized tracks are: autonomous system, hardware system design, computer network, and software system design.

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### ENTERPRISE SYSTEMS ENGINEERING

The M.Sc. program in Enterprise Systems Engineering is meant for students whose career interests are in enterprise systems. It is originated to use the systems engineering life cycle as a framework for linking outcome-based engineering analysis and decision making with enterprise strategic objectives, addressing methods and tools for managing complexity, determining measures of

effectiveness, and assessing return on investments from an engineering perspective. Graduates of this program will be able to build an awareness of computing practices in industry and emerging technologies, emphasizing a working knowledge of current computer design and development techniques.

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### ENVIRONMENTAL AND RENEWABLE ENERGY ENGINEERING

The M.Sc. program in Environmental and Renewable Energy Engineering is conceived for students whose career interests are in environment and energy. This program provides integration of environmental and renewable energy under the heading of sustainability. Students acquire deep understanding of the issues of sustainability, discussing issues such as ecosystem approaches, collapse, efficiency traps, fossil fuel depletion and its implications. A key component of the program lies in providing solid background in alternative energy sources.

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### GERMAN AS A FOREIGN LANGUAGE

The MA program in German as a Foreign Language is intended for students whose career interests are in culture, linguistics, and training. The program covers both theoretical and practical content in the field of “Deutsch als Fremdsprache” (DaF) (German as a Foreign Language). The content includes language training as well as hands-on training in country and culture studies, linguistics, methodology, scientific and research work, technical language communication, literature, German foreign cultural policy in conjunction with intercultural communication. Particular attention is placed on practical on-the-job- training through regular visits, observations as well as the training offered by the German Department. These measures introduce students to their future work as quickly as possible. Holders of the DaF-Master program qualification are expected to work as lecturers of German language and culture (or “Cultural mediators”) in universities, schools, and relevant institutions.

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### SPATIAL PLANNING

The M.Sc. program in Spatial Planning is originated for students whose career interests are in sustainable planning and urban design. The program is interdisciplinary and it incorporates multi-dimensional perspectives using problem-solving practical approaches to achieve integrated sustainable planning and urban design. Graduates are prepared to contribute to the contemporary built environment at the local, regional, and international arenas with their hands-on up-to-date theories and practices.

## ADMISSION

Admission at GJU graduate studies is decentralized and the final decision is made at the department. The application deadline for Fall is in July and for Spring is in December. Applicants need to fulfill the following requirements in order to get accepted into GJU graduate program:

- Must hold a Bachelor's degree with a minimum average of “good” or equivalent, from a recognized university or a higher diploma with minimum average of “very good” or equivalent. Bachelor students with a “satisfactory” average, or equivalent, may be accepted only if they abide to regulations of the Ministry of Higher Education and Scientific Research.
- Bachelor's studies and attendance must have been on a regular basis.
- Bachelor's degree has to be in a field that qualifies the student to study the major program that he/she wishes to enroll in.
- Must show a documented proof indicating he/she successfully passed the Foreign Languages Proficiency Test (English language) (TOEFL, IELTS) in accordance with the decisions of the Higher Education Council. As for programs that require German Language Proficiency, passing Test-DaF 4 should be before the student begins writing the thesis and before taking the comprehensive exam as a requirement for graduation.

## TUITION AND FEES

The tuition and fees of graduate studies at GJU are as follows:

1. The fee for one credit hour is (120 JDs) for all masters degree programs at GJU except for MBA program at Talal Abu Ghazaleh Graduate School of Business is (275 JDs).
2. An admission fee of (120 JDs) is payable once only.
3. Registration fee of (120 JDs) per semester.
4. Computer fee of (60 JDs) per semester.
5. Medical Insurance fee of (50 JDs) per semester.
6. Refundable fee of (150 JDs) is payable once only.

## SCHOLARSHIPS AND GRANTS

GJU provides three types of scholarships and grants:

1. Teaching assistant grant up-to a full waiver of tuition and fees and monthly stipends
2. Academic excellence grant with full waiver of tuition and fees and monthly stipends
3. Scientific research grant with monthly stipends