

Industrial Engineering

OVERVIEW

The B.Sc. program in Industrial Engineering (IE) emphasizes on the application of technologies and tools in the fields of process engineering, supply chain, operations research, optimization, and manufacturing. The program enables its graduates to view various industries as systems. Graduates are set to work in culturally diverse teams, communicate in a professional manner, and uphold the ethical standards of the engineering profession. This program (B.Sc. in Industrial Engineering) is accredited by the German Accreditation Council (Stiftung Akkreditierungsrat) and Jordan's AQACHEI.

WHY IE AT GJU?

If you are interested in today's most exciting and rewarding career choices, then you are highly encouraged to choose Industrial Engineering offered at the School of Applied Technical Sciences (SATS).

- Applied educational system
- National and German Accreditation
- Exposure to the German industrial sector
- Highly qualified faculty and staff
- Outstanding advising and academic support
- State-of-the-art classrooms and labs
- Small class sizes
- Sports and social activities
- Scholarships for academic excellence
- High employment rates
- Advantages of post-graduate employment at GJU

GERMAN YEAR

All GJU students spend a whole year in Germany as part of their bachelor's degree. This year consists of a study semester at one of our German partner universities where the student attends technical elective courses, and an internship semester, during which the student applies their knowledge in the German industry. The program has an agreement with over 20 partner universities in Germany.

CAREER FIELDS

- Logistics
- Manufacturing
- Financial services and corporate finance
- Data Science
- Human resources
- Courier and packaging service
- Business and management consulting
- Auditing, accounting, and insurance

LABORATORIES

- Manufacturing processes
- Simulations
- Operations research
- Industrial automation
- Materials engineering
- Safety and ergonomics
- Work measurement and standards
- Engineering workshop
- Computer-aided math for industrial engineering

STUDY FIELDS

- Supply chain
- Quality control (QC)
- Materials engineering
- Production planning systems
- Manufacturing technologies and processes
- Operations research

SOFTWARE SKILLS

- CPLEX
- Minitab
- Arena
- AnyLogic
- Python
- SolidWorks
- Abaqus and Ansys
- Festo FluidSim
- Siemens SIMATIC Step 7



SATS

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