SATS School of Applied Technical Sciences

German Jordanian University
School of Applied Technical Sciences
Tree Diagram - Industrial Engineering
2023/2024

GJU الجامعة الألمانية الأردنية German Jordanian University

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German I GERL101B1
German II GERL102B1/B2
German III GERL201B1/B2
German IV GERL202B1/B2
German V GERL301B1/B2
German VI GERL302B1/B2
Military Science MILS100
University Electives 1
University Electives 2

Elementary English ENGL0098
Intermediate English ENGL0099
Upper-Intermediate English ENGL1001
Advanced English ENGL1002
National Education / in English NE101 / NEE101
Elementary Arabic ARB0099
Arabic ARB100
Technical Elective 1 IE04XX
Technical Elective 2 IE04XX
Technical Elective 3 IE04XX
Technical Elective 4 IE04XX

Technical Writing and Engineering Ethics IE0281

70 CrHr
Field Training IE0382
International Internship IE0483
132 CrHr
Graduation Project I IE0584
Graduation Project II IE0585

Computing Fundamentals CS116 *CS1160**
Computer Aided Engineering Drawing ME0111
Introduction to IE IE0111
Calculus I MATH101
Pre-Math MATH0099
Physics I PHYS103
Probability and Statistics IE0121
Calculus II MATH102
Engineering Workshop IE0141
General Chemistry CHEM103
Physics II PHYS104 *PHYS106**
Applied Statistics IE0223
Computer Aided MATH For IE IE0222
Work Measurement and Standards IE0251 *IE0252**
Applied Mathematics for Engineers MATH203
Differential Equations MATH205
Statics and Strength MECH2102
Materials Science and Engineering IE0242
Electrical Circuits and Machines ME0212
Operations Research IE0231 *IE0232**
Materials Science and Engineering Lab IE0243
Quality Engineering IE0324 *IE0325**
Simulation IE0312 *IE0313**
Ergonomics IE0353 *IE0354**
Engineering Economics IE0361
Manufacturing Processes IE0344 *IE0345**
Instrumentation & Measurements ME0346 *ME0347**
Production Planning IE0314
Supply Chain Engineering IE0533
Facility and Asset Management IE0516
Data Analytics for Industrial Engineering IE0526
Product Development and Entrepreneurship IE0515
Industrial Cost analysis IE0562
Modern Manufacturing Technology IE0546 *IE0547**
Automation and Industry 4.0 ME0577 *ME0578**

Placement Tests
ARB0099 AND ENGL0099 are pre-requisites for most of the school and program courses
University Requirements
School Requirements
Program Requirements
Department Approval
Prerequisites for the German year
Student must pass four out of the five courses
*XX0123** CO-Requisite Lab