| DEPARTMENT | CODE | NAME OF THE COURSE | TYPE OF COURSE | TOTAL CREDIT | ECTS CREDIT | SEMESTER |
|---|---|---|---|---|---|---|
| Civil Engineering | CIE 4111 | Applied Hydraulics | ELECTIVE | 2 | 4 | 7 |
| Civil Engineering | CIE 4133 | GIS for Civil Engineers | ELECTIVE | 2 | 4 | 7 |
| Computer Engineering | CME 1203 | Introduction to Computer Engineering | MANDATORY | 3 | 4 | 1 |
| Computer Engineering | CME 1205 | Discrete Computational Structures | MANDATORY | 3 | 5 | 1 |
| Computer Engineering | CME 1211 | Algorithms and Programming I | MANDATORY | 3 | 5 | 1 |
| Computer Engineering | CME 1251 | Project Based Learning I | MANDATORY | 3 | 4 | 1 |
| Computer Engineering | KPD 1001 | Career Planning | MANDATORY | 1 | 2 | 1 |
| Computer Engineering | MAT 1001 | Calculus I | MANDATORY | 4 | 5 | 1 |
| Computer Engineering | PHY 1101 | Physics I | MANDATORY | 4 | 5 | 1 |
| Computer Engineering | CME 1206 | Technical English | MANDATORY | 2 | 3 | 2 |
| Computer Engineering | CME 1212 | Algorithms and Programming II | MANDATORY | 3 | 7 | 2 |
| Computer Engineering | CME 1214 | Logic Design | MANDATORY | 3 | 6 | 2 |
| Computer Engineering | CME 1252 | Project Based Learning II | MANDATORY | 3 | 4 | 2 |
| Computer Engineering | MAT 1002 | Calculus II | MANDATORY | 4 | 5 | 2 |
| Computer Engineering | PHY 1102 | Physics II | MANDATORY | 4 | 5 | 2 |
| Computer Engineering | CME 2201 | Data Structures | MANDATORY | 3 | 7 | 3 |
| Computer Engineering | CME 2203 | Introduction to Circuits and Electronics | MANDATORY | 4 | 7 | 3 |
| Computer Engineering | CME 2205 | Probability and Statistics | MANDATORY | 3 | 4 | 3 |
| Computer Engineering | CME 2207 | Differential Equations and Linear Algebra | MANDATORY | 4 | 5 | 3 |
| Computer Engineering | CME 2401 | Seminar | MANDATORY | 1 | 2 | 3 |
| Computer Engineering | CME 2403 | Research Methodologies | MANDATORY | 1 | 2 | 3 |
| Computer Engineering | CME 2202 | Data Organization and Management | MANDATORY | 4 | 6 | 4 |
| Computer Engineering | CME 2204 | Algorithm Analysis | MANDATORY | 3 | 6 | 4 |
| Computer Engineering | CME 2206 | Computer Architecture | MANDATORY | 4 | 6 | 4 |
| Computer Engineering | CME 2208 | Numerical Analysis | MANDATORY | 3 | 4 | 4 |
| Computer Engineering | CME 2210 | Object Oriented Analysis and Design | MANDATORY | 3 | 6 | 4 |
| Computer Engineering | CME 3203 | Theory of Computation | MANDATORY | 3 | 6 | 5 |
| Computer Engineering | CME 3205 | Operating Systems | MANDATORY | 3 | 6 | 5 |
| Computer Engineering | CME 3207 | Signals and Systems for Computer Engineering | MANDATORY | 3 | 6 | 5 |
| Computer Engineering | CME 3401 | Database Management Systems | MANDATORY | 3 | 6 | 5 |
| Computer Engineering | CME 3403 | Advances in Web Technologies | MANDATORY | 3 | 6 | 5 |
| Computer Engineering | CME 3204 | Data Communications and Computer Networks | MANDATORY | 4 | 6 | 6 |
| Computer Engineering | CME 3206 | Software Engineering | MANDATORY | 4 | 7 | 6 |
| Computer Engineering | CME 3208 | Principles of Embedded Systems | MANDATORY | 3 | 6 | 6 |
| Computer Engineering | CME 3402 | Concepts of Programming Languages | MANDATORY | 3 | 6 | 6 |
| Computer Engineering | CME 3404 | Systems Programming | MANDATORY | 3 | 6 | 6 |
| Computer Engineering | CME 4203 | Computer Engineering Design | MANDATORY | 1 | 4 | 7 |
| Computer Engineering | CME 4293 | Summer Training I | MANDATORY | 0 | 6 | 7 |
| Computer Engineering | CME 4202 | Senior Project | MANDATORY | 0 | 6 | 8 |
| Computer Engineering | CME 4294 | Summer Training II | MANDATORY | 0 | 6 | 8 |

**UNDERGRADUATE LEVEL COURSES - FACULTY OF ENGINEERING, DOKUZ EYLÜL UNIVERSITY (Last Update: October 22, 2024)**

| | | | | | | |
|---|---|---|---|---|---|---|
| Computer Engineering | CME 4403 | Introduction to Machine Learning | ELECTIVE | 3 | 6 | 7 |
| Computer Engineering | CME 4405 | Parallel Computing | ELECTIVE | 3 | 6 | 7 |
| Computer Engineering | CME 4407 | Computer Game Design and Programming | ELECTIVE | 3 | 6 | 7 |
| Computer Engineering | CME 4409 | Computer Graphics | ELECTIVE | 3 | 6 | 7 |
| Computer Engineering | CME 4411 | Software Project Management | ELECTIVE | 3 | 6 | 7 |
| Computer Engineering | CME 4417 | Simulation and Modeling | ELECTIVE | 3 | 6 | 7 |
| Computer Engineering | CME 4419 | Human Computer Interaction | ELECTIVE | 3 | 6 | 7 |
| Computer Engineering | CME 4423 | Mobile Devices and Applications | ELECTIVE | 3 | 6 | 7 |
| Computer Engineering | CME 4425 | Introduction to Bioinformatics Algorithms | ELECTIVE | 3 | 6 | 7 |
| Computer Engineering | CME 4428 | iOS Programming | ELECTIVE | 3 | 6 | 7 |
| Computer Engineering | CME 4453 | Quality of Service Advancements in IP Networks | ELECTIVE | 3 | 6 | 7 |
| Computer Engineering | CME 4455 | Fundamentals of Network Design | ELECTIVE | 3 | 6 | 7 |
| Computer Engineering | CME 4459 | Microprocessors | ELECTIVE | 3 | 6 | 7 |
| Computer Engineering | CME 4461 | Network Security | ELECTIVE | 3 | 6 | 7 |
| Computer Engineering | CME 4463 | Drone Technology | ELECTIVE | 3 | 6 | 7 |
| Computer Engineering | CME 4404 | Introduction to Software Verification | ELECTIVE | 3 | 6 | 8 |
| Computer Engineering | CME 4406 | Multimedia Systems | ELECTIVE | 3 | 6 | 8 |
| Computer Engineering | CME 4408 | Introduction to Natural Language Processing | ELECTIVE | 3 | 6 | 8 |
| Computer Engineering | CME 4410 | Introduction to Pattern Recognition | ELECTIVE | 3 | 6 | 8 |
| Computer Engineering | CME 4412 | Introduction to Digital Image Processing | ELECTIVE | 3 | 6 | 8 |
| Computer Engineering | CME 4416 | Introduction to Data Mining | ELECTIVE | 3 | 6 | 8 |
| Computer Engineering | CME 4418 | Introduction to Artificial Intelligence | ELECTIVE | 3 | 6 | 8 |
| Computer Engineering | CME 4420 | Analysis and Design of Algorithms | ELECTIVE | 3 | 6 | 8 |
| Computer Engineering | CME 4422 | Introduction to Graph Theory | ELECTIVE | 3 | 6 | 8 |
| Computer Engineering | CME 4430 | Visual Systems Design | ELECTIVE | 3 | 6 | 8 |
| Computer Engineering | CME 4432 | Applications of Decision Support Systems | ELECTIVE | 3 | 6 | 8 |
| Computer Engineering | CME 4434 | Data Warehouses and Business Intelligence | ELECTIVE | 3 | 6 | 8 |
| Computer Engineering | CME 4436 | Basics of Internet of Things | ELECTIVE | 3 | 6 | 8 |
| Computer Engineering | CME 4454 | Network Services and Applications | ELECTIVE | 3 | 6 | 8 |
| Computer Engineering | CME 4456 | Reconfigurable Computing | ELECTIVE | 3 | 6 | 8 |
| Computer Engineering | CME 4458 | Microprocessor Based System Design | ELECTIVE | 3 | 6 | 8 |
| Computer Engineering | CME 4460 | Introduction to Cryptography | ELECTIVE | 3 | 6 | 8 |
| Computer Engineering | CME 4462 | Digital Audio Processing | ELECTIVE | 3 | 6 | 8 |
| Computer Engineering | CME 4464 | Entrepreneurship and Innovation | ELECTIVE | 3 | 6 | 8 |
| Electrical-Electronic Engineering | MAT 1001 | Calculus I | MANDATORY | 4 | 5 | 1 |
| Electrical-Electronic Engineering | PHY 1101 | Physics I | MANDATORY | 4 | 5 | 1 |
| Electrical-Electronic Engineering | EED 1001 | Introduction to Electrical Engineering | MANDATORY | 1 | 2 | 1 |
| Electrical-Electronic Engineering | EED 1005 | Introduction to Programming | MANDATORY | 3 | 5 | 1 |
| Electrical-Electronic Engineering | KPD 1001 | Career Planning | MANDATORY | 1 | 2 | 1 |
| Electrical-Electronic Engineering | EED 1009 | Development of Reading & Writing Skills | MANDATORY | 2 | 2 | 1 |
| Electrical-Electronic Engineering | MME 1115 | Material for Electrical and Electronics Engineering | ELECTIVE | 3 | 5 | 1 |
| Electrical-Electronic Engineering | CHM 1115 | Chemistry | ELECTIVE | 4 | 5 | 1 |

| Electrical-Electronic Engineering | MAT 1002 | Calculus II | MANDATORY | 4 | 5 | 2 |
|---|---|---|---|---|---|---|
| Electrical-Electronic Engineering | EED 1018 | Linear Algebra | MANDATORY | 3 | 5 | 2 |
| Electrical-Electronic Engineering | PHY 1102 | Physics II | MANDATORY | 4 | 5 | 2 |
| Electrical-Electronic Engineering | EED 1014 | Engineering Design I | MANDATORY | 1 | 3 | 2 |
| Electrical-Electronic Engineering | EED 1112 | Introduction to Signals | MANDATORY | 3 | 4 | 2 |
| Electrical-Electronic Engineering | EED 1010 | Algorithms & Programming | MANDATORY | 3 | 4 | 2 |
| Electrical-Electronic Engineering | EED 2007 | Complex Analysis | MANDATORY | 3 | 5 | 3 |
| Electrical-Electronic Engineering | MAT 2507 | Differential Equations | MANDATORY | 4 | 5 | 3 |
| Electrical-Electronic Engineering | EED 2311 | Circuit Theory I | MANDATORY | 4 | 4 | 3 |
| Electrical-Electronic Engineering | EED 2313 | Laboratory I | MANDATORY | 1.5 | 3 | 3 |
| Electrical-Electronic Engineering | EED 2303 | Logic Design | MANDATORY | 4 | 5 | 3 |
| Electrical-Electronic Engineering | EED 2315 | Semiconductor Devices | MANDATORY | 4 | 5 | 3 |
| Electrical-Electronic Engineering | EED 2414 | Circuit Theory II | MANDATORY | 4 | 6 | 4 |
| Electrical-Electronic Engineering | EED 2416 | Laboratory II | MANDATORY | 1.5 | 3 | 4 |
| Electrical-Electronic Engineering | EED 2010 | Signals and Systems | MANDATORY | 4 | 6 | 4 |
| Electrical-Electronic Engineering | EED 2412 | Analog Electronics | MANDATORY | 5 | 6 | 4 |
| Electrical-Electronic Engineering | EED 2008 | Electromagnetic Theory | MANDATORY | 4 | 6 | 4 |
| Electrical-Electronic Engineering | EED 3001 | Energy Conversion I | MANDATORY | 5 | 6 | 5 |
| Electrical-Electronic Engineering | EED 3003 | Digital Electronics | MANDATORY | 4 | 6 | 5 |
| Electrical-Electronic Engineering | EED 3005 | Probability and Random Signal Principles | MANDATORY | 4 | 5 | 5 |
| Electrical-Electronic Engineering | EED 3507 | Electromagnetic Wave Theory | MANDATORY | 4 | 6 | 5 |
| Electrical-Electronic Engineering | EED 3509 | Engineering Design II | MANDATORY | 1 | 3 | 5 |
| Electrical-Electronic Engineering | EED 3101 | Numerical Analysis | ELECTIVE | 4 | 4 | 5 |
| Electrical-Electronic Engineering | EED 3103 | Digital Signal Processing | ELECTIVE | 4 | 5 | 5 |
| Electrical-Electronic Engineering | EED 3105 | Network Synthesis | ELECTIVE | 4 | 4 | 5 |
| Electrical-Electronic Engineering | EED 3107 | Fundamentals of Neural Networks | ELECTIVE | 4 | 5 | 5 |
| Electrical-Electronic Engineering | EED 3020 | Energy Conversion II | MANDATORY | 5 | 6 | 6 |
| Electrical-Electronic Engineering | EED 3014 | Analog Communication | MANDATORY | 4 | 5 | 6 |
| Electrical-Electronic Engineering | EED 3016 | Control Systems | MANDATORY | 4 | 5 | 6 |
| Electrical-Electronic Engineering | EED 3018 | Microprocessor Systems | MANDATORY | 4 | 5 | 6 |
| Electrical-Electronic Engineering | EED 4795 | Research Project | MANDATORY | 1 | 2 | 7 |
| Electrical-Electronic Engineering | EED 4003 | Engineering and Technology Management | MANDATORY | 2 | 2 | 7 |
| Electrical-Electronic Engineering | EED 4894 | Final Year Project | MANDATORY | 3 | 10 | 8 |
| Electrical-Electronic Engineering | EED 4005 | Special Topics in EE. I | ELECTIVE | 4 | 6 | 7 |
| Electrical-Electronic Engineering | EED 4007 | Modern Engineering Mathematics | ELECTIVE | 4 | 6 | 7 |
| Electrical-Electronic Engineering | EED 4011 | Computer Networks | ELECTIVE | 3 | 6 | 7 |
| Electrical-Electronic Engineering | EED 4017 | High Voltage Techniques | ELECTIVE | 3 | 6 | 7 |
| Electrical-Electronic Engineering | EED 4019 | Embedded Systems Design | ELECTIVE | 4 | 6 | 7 |
| Electrical-Electronic Engineering | EED 4025 | Optics and Photonics | ELECTIVE | 3 | 6 | 7 |
| Electrical-Electronic Engineering | EED 4101 | Digital Communication | ELECTIVE | 4 | 6 | 7 |
| Electrical-Electronic Engineering | EED 4103 | Microwave Theory and Applications | ELECTIVE | 4 | 6 | 7 |
| Electrical-Electronic Engineering | EED 4201 | Power Electronics I | ELECTIVE | 4 | 6 | 7 |

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|---|---|---|---|---|---|---|
| Electrical-Electronic Engineering | EED 4203 | Power System Analysis I | ELECTIVE | 4 | 6 | 7 |
| Electrical-Electronic Engineering | EED 4301 | Digital Control | ELECTIVE | 4 | 6 | 7 |
| Electrical-Electronic Engineering | ED 4303 | Control Systems Modeling and Simulations | ELECTIVE | 4 | 6 | 7 |
| Electrical-Electronic Engineering | EED 4401 | Fundamentals of Biomedical Engineering | ELECTIVE | 3 | 6 | 7 |
| Electrical-Electronic Engineering | EED 4407 | Medical Imaging Systems | ELECTIVE | 4 | 6 | 7 |
| Electrical-Electronic Engineering | EED 4501 | Analog Electronics II | ELECTIVE | 3 | 6 | 7 |
| Electrical-Electronic Engineering | EED 4521 | Advanced Logic Design | ELECTIVE | 4 | 6 | 7 |
| Electrical-Electronic Engineering | EED 4004 | Special Topics in EE. II | ELECTIVE | 4 | 6 | 8 |
| Electrical-Electronic Engineering | EED 4006 | Coding Theory | ELECTIVE | 3 | 6 | 8 |
| Electrical-Electronic Engineering | EED 4008 | Audio Signal Processing | ELECTIVE | 4 | 6 | 8 |
| Electrical-Electronic Engineering | EED 4010 | Pattern Recognition | ELECTIVE | 4 | 6 | 8 |
| Electrical-Electronic Engineering | EED 4012 | Telecommunication Electronics | ELECTIVE | 4 | 6 | 8 |
| Electrical-Electronic Engineering | EED 4014 | Digital Image Processing | ELECTIVE | 4 | 6 | 8 |
| Electrical-Electronic Engineering | EED 4016 | Power System Distribution and Protection | ELECTIVE | 3 | 6 | 8 |
| Electrical-Electronic Engineering | EED 4018 | Computer System Architecture | ELECTIVE | 4 | 6 | 8 |
| Electrical-Electronic Engineering | EED 4022 | Optical Communication Systems | ELECTIVE | 3 | 6 | 8 |
| Electrical-Electronic Engineering | EED 4106 | Antennas and Propagation | ELECTIVE | 4 | 6 | 8 |
| Electrical-Electronic Engineering | EED 4108 | Wireless Communication | ELECTIVE | 3 | 6 | 8 |
| Electrical-Electronic Engineering | EED 4206 | Power Electronics II | ELECTIVE | 4 | 6 | 8 |
| Electrical-Electronic Engineering | EED 4208 | Power System Analysis II | ELECTIVE | 4 | 6 | 8 |
| Electrical-Electronic Engineering | EED 4306 | Robotics | ELECTIVE | 4 | 6 | 8 |
| Electrical-Electronic Engineering | EED 4308 | Industrial Automation | ELECTIVE | 4 | 6 | 8 |
| Electrical-Electronic Engineering | EED 4406 | Biomedical Systems and Control | ELECTIVE | 4 | 6 | 8 |
| Electrical-Electronic Engineering | EED 4408 | Bioelectricity | ELECTIVE | 3 | 6 | 8 |
| Electrical-Electronic Engineering | EED 4502 | Analog Integrated Circuits | ELECTIVE | 3 | 6 | 8 |
| Electrical-Electronic Engineering | EED 4520 | Fundamentals of VLSI Design | ELECTIVE | 4 | 6 | 8 |
| Environmental Engineering | ENV 4003 | Design of Industrial Wastewater Treatment Plants | ELECTIVE | 2 | 2 | 7 |
| Environmental Engineering | ENV 4009 | Advanced Treatment Techniques | ELECTIVE | 3 | 3 | 7 |
| Environmental Engineering | ENV 4041 | Planning and Design of Landfills | ELECTIVE | 3 | 3 | 7 |
| Environmental Engineering | ENV 4103 | Numerical Methods in Environmental Engineering | ELECTIVE | 3 | 3 | 7 |
| Environmental Engineering | ENV 4301 | Introduction to Contaminant Transport in Groundwater and Soil | ELECTIVE | 2 | 3 | 7 |
| Environmental Engineering | ENV 4305 | Contaminant Soil Remediation | ELECTIVE | 2 | 3 | 7 |
| Environmental Engineering | ENV 4317 | Bioprocessing of Wastes | ELECTIVE | 2 | 3 | 7 |
| Environmental Engineering | ENV 4327 | Design of Sludge Processing Units | ELECTIVE | 2 | 3 | 7 |
| Environmental Engineering | ENV 4335 | Environmental Dispersion | ELECTIVE | 2 | 3 | 7 |
| Environmental Engineering | ENV 4302 | Groundwater Hydrology | ELECTIVE | 2 | 3 | 8 |
| Environmental Engineering | ENV 4304 | Environmental Modeling | ELECTIVE | 2 | 3 | 8 |
| Environmental Engineering | ENV 4306 | Operation of Wastewater Treatment Plants | ELECTIVE | 2 | 3 | 8 |
| Environmental Engineering | ENV 4316 | Solid Waste Recycling Technologies | ELECTIVE | 2 | 3 | 8 |
| Geological Engineering | GEO 3151 | Structural Analysis Methods | ELECTIVE | 3 | 6 | 5 |
| Geological Engineering | GEO 4255 | Earthquake Geology | ELECTIVE | 3 | 6 | 7 |
| Geological Engineering | GEO 4262 | Evaporites | ELECTIVE | 3 | 6 | 8 |

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|---|---|---|---|---|---|---|
| Geological Engineering | GEO 4280 | Geotechnical Test | ELECTIVE | 3 | 6 | 8 |
| Geological Engineering | GEO 4292 | Hydrothermal Polymetallic Ore Deposits | ELECTIVE | 3 | 6 | 8 |
| Environmental Engineering | ENV 4326 | Hazardous Wastes | ELECTIVE | 2 | 0 | 3 |
| Geophysical Engineering | GPH 3525 | Marine Geophysics | ELECTIVE | 2 | 4 | 5 |
| Geophysical Engineering | GPH 4731 | Analysis of Seismic Data | ELECTIVE | 2 | 4 | 7 |
| Geophysical Engineering | GPH 4747 | Modelling and Interpretation Techniques in Geophysics | ELECTIVE | 2 | 4 | 7 |
| Geophysical Engineering | GPH 4822 | Seismic Interpretation | ELECTIVE | 2 | 4 | 8 |
| Geophysical Engineering | GPH 4824 | Environmental Geophysics | ELECTIVE | 2 | 4 | 8 |
| Geophysical Engineering | GPH 4826 | Petroleum and Natural Gas Geophysics | ELECTIVE | 2 | 4 | 8 |
| Geophysical Engineering | GPH 4828 | Seismic Tomography | ELECTIVE | 2 | 4 | 8 |
| Industrial Engineering | IND 3947 | Mathematical Modeling and Applications | ELECTIVE | 3 | 5 | 5 |
| Industrial Engineering | IND 3952 | Forecasting and Time Series Analysis | ELECTIVE | 3 | 5 | 6 |
| Industrial Engineering | IND 3954 | Service Systems | ELECTIVE | 3 | 5 | 6 |
| Industrial Engineering | IND 3960 | Innovation and Entrepreneurship | ELECTIVE | 3 | 5 | 6 |
| Industrial Engineering | IND 3966 | Data Mining Applications | ELECTIVE | 3 | 5 | 6 |
| Industrial Engineering | IND 3971 | Modeling and Analysis of Discrete Event Systems | ELECTIVE | 3 | 5 | 5 |
| Industrial Engineering | IND 3975 | Risk Management | ELECTIVE | 3 | 5 | 5 |
| Industrial Engineering | IND 3982 | Introduction to Computational Intelligence | ELECTIVE | 3 | 5 | 6 |
| Industrial Engineering | IND 3984 | Introduction to Revenue Management | ELECTIVE | 3 | 5 | 6 |
| Industrial Engineering | IND 3946 | Logistics Operations Management | ELECTIVE | 3 | 5 | 6 |
| Industrial Engineering | IND 3959 | Knowledge Based Systems | ELECTIVE | 3 | 5 | 5 |
| Industrial Engineering | IND 3963 | Business Process Management | ELECTIVE | 3 | 5 | 5 |
| Industrial Engineering | IND 3964 | Introduction to Energy Management | ELECTIVE | 3 | 5 | 6 |
| Industrial Engineering | IND 3938 | Artificial Intelligence and Its Applications in Industry | ELECTIVE | 3 | 5 | 6 |
| Industrial Engineering | IND 3942 | Statistical Analysis with Software | ELECTIVE | 3 | 5 | 6 |
| Industrial Engineering | IND 3968 | Warehouse Management | ELECTIVE | 3 | 5 | 6 |
| Industrial Engineering | IND 3973 | Principles of Sustainability | ELECTIVE | 3 | 5 | 5 |
| Industrial Engineering | IND 3978 | Management Science Modeling with Spreadsheets | ELECTIVE | 3 | 5 | 6 |
| Industrial Engineering | IND 3983 | Ergonomic Assessment and Job Safety | ELECTIVE | 3 | 5 | 5 |
| Industrial Engineering | IND 3917 | Quantitative Techniques in Industrial Engineering | ELECTIVE | 3 | 5 | 5 |
| Industrial Engineering | IND 4923 | Discrete Optimization Models and Algorithms | ELECTIVE | 3 | 5 | 7 |
| Industrial Engineering | IND 4922 | Supply Chain Modeling and Analysis | ELECTIVE | 3 | 5 | 8 |
| Industrial Engineering | IND 4925 | Selected Topics on Mathematical Programming | ELECTIVE | 3 | 5 | 7 |
| Industrial Engineering | IND 4916 | Production Scheduling | ELECTIVE | 3 | 5 | 8 |
| Mechanical Engineering | MEE 1003 | Technical English I | MANDATORY | 3 | 3 | 1 |
| Mechanical Engineering | MEE 1004 | Technical English II | MANDATORY | 3 | 3 | 2 |
| Mechanical Engineering | MEE 1118 | Statics | MANDATORY | 4 | 6 | 2 |
| Mechanical Engineering | MEE 2121 | Dynamics | MANDATORY | 4 | 5 | 3 |
| Mechanical Engineering | EEE 2015 | Electric | MANDATORY | 3 | 6 | 3 |
| Mechanical Engineering | EEE 2018 | Electronics | MANDATORY | 3 | 5 | 4 |
| Mechanical Engineering | MEE 2028 | Engineering Mathematics | MANDATORY | 3 | 5 | 4 |
| Mechanical Engineering | MEE 2124 | Thermodynamics I | MANDATORY | 3 | 5 | 4 |

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|---|---|---|---|---|---|---|
| Mechanical Engineering | MEE 2126 | Fluid Mechanics | MANDATORY | 4 | 5 | 4 |
| Mechanical Engineering | MEE 3017 | System Modeling and Analysis | MANDATORY | 3 | 5 | 5 |
| Mechanical Engineering | MEE 3025 | Mechanisms | MANDATORY | 3 | 5 | 5 |
| Mechanical Engineering | MEE 3031 | Thermodynamics II | MANDATORY | 3 | 5 | 5 |
| Mechanical Engineering | MEE 3018 | Dynamics of Machinery | MANDATORY | 3 | 5 | 6 |
| Mechanical Engineering | MEE 3026 | Control Systems | MANDATORY | 3 | 5 | 6 |
| Mechanical Engineering | MEE 4241 | Mechanical Vibrations | ELECTIVE | 3 | 8 | 7 |
| Mechanical Engineering | MEE 4249 | Measurement and Signal Analysis | ELECTIVE | 3 | 8 | 7 |
| Mechanical Engineering | MEE 4251 | Introduction to Fracture Mechanics | ELECTIVE | 3 | 8 | 7 |
| Mechanical Engineering | MEE 4287 | Mechanics of Composite Materials | ELECTIVE | 3 | 8 | 7 |
| Mechanical Engineering | MEE 4293 | Heat Exchangers | ELECTIVE | 3 | 8 | 7 |
| Mechanical Engineering | MEE 4343 | Refrigeration Machines | ELECTIVE | 3 | 8 | 7 |
| Mechanical Engineering | MEE 4377 | Pneumatic and Hydraulic Systems | ELECTIVE | 3 | 8 | 7 |
| Mechanical Engineering | MEE 4383 | Composites Manufacturing Technologies | ELECTIVE | 3 | 8 | 7 |
| Mechanical Engineering | MEE 4391 | Design of Composite Structures | ELECTIVE | 3 | 8 | 7 |
| Mechanical Engineering | MEE 4397 | Computer Aided Modelling of Thermal Systems | ELECTIVE | 3 | 8 | 7 |
| Metallurgical and Materials Engineering | MME 1102 | Computer Programming | MANDATORY | 2 | 2 | 4 |
| Metallurgical and Materials Engineering | MME 1110 | Basic English in Metallurgy | MANDATORY | 4 | 0 | 5 |
| Metallurgical and Materials Engineering | MME 1120 | Basic English in Material Science | MANDATORY | 4 | 0 | 5 |
| Metallurgical and Materials Engineering | MME 1202 | Computer Programming for Engineers | MANDATORY | 2 | 2 | 4 |
| Metallurgical and Materials Engineering | MME 3106 | Material and Energy Balance | MANDATORY | 3 | 0 | 5 |
| Metallurgical and Materials Engineering | MME 3206 | Corrosion | MANDATORY | 2 | 2 | 5 |
| Metallurgical and Materials Engineering | MME 4023 | Nondestructive Control | ELECTIVE | 3 | 0 | 4 |
| Metallurgical and Materials Engineering | MME 4031 | Hydrometallurgy | ELECTIVE | 3 | 0 | 4 |
| Metallurgical and Materials Engineering | MME 4043 | Melting and Solidification | ELECTIVE | 3 | 0 | 4 |
| Metallurgical and Materials Engineering | MME 4045 | Metallic Materials | ELECTIVE | 3 | 0 | 4 |
| Metallurgical and Materials Engineering | MME 4047 | Nanomaterials | ELECTIVE | 3 | 0 | 4 |
| Metallurgical and Materials Engineering | MME 4051 | Failure Science | ELECTIVE | 3 | 0 | 4 |
| Metallurgical and Materials Engineering | MME 4061 | Additive Manufacturing | ELECTIVE | 3 | 0 | 4 |
| Metallurgical and Materials Engineering | MME 4723 | Polymers Science | ELECTIVE | 3 | 0 | 5 |
| Metallurgical and Materials Engineering | MME 4733 | Polymer Technology | ELECTIVE | 3 | 0 | 5 |
| Metallurgical and Materials Engineering | MME 4018 | Surface Treatments | ELECTIVE | 3 | 0 | 4 |
| Metallurgical and Materials Engineering | MME 4020 | Technology of Composite Materials | ELECTIVE | 3 | 0 | 4 |
| Metallurgical and Materials Engineering | MME 4024 | Tribology | ELECTIVE | 3 | 0 | 4 |
| Metallurgical and Materials Engineering | MME 4040 | Electronic and Magnetic Ceramics | ELECTIVE | 3 | 0 | 4 |
| Metallurgical and Materials Engineering | MME 4044 | Polymer Applications | ELECTIVE | 3 | 0 | 4 |
| Metallurgical and Materials Engineering | MME 4052 | Materials and Sustainability | ELECTIVE | 3 | 0 | 4 |
| Metallurgical and Materials Engineering | MME 4054 | Electronic Materials | ELECTIVE | 2 | 2 | 4 |
| Mining Engineering | MIN 3393 | The Basic Principles and Applications of Gravity Concentration | ELECTIVE | 2 | 4 | 6 |
| Mining Engineering | MIN 3395 | Marble Mining Technology | ELECTIVE | 2 | 4 | 6 |
| Textile Engineering | BIT 1003 | Basic Information Technologies | MANDATORY | 1.5 | 3 | 1 |
| Textile Engineering | CME 1204 | Computer Programming | MANDATORY | 3 | 3 | 2 |

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|---|---|---|---|---|---|---|
| Textile Engineering | MTH 2011 | Calculus III | MANDATORY | 4 | 4 | 3 |
| Textile Engineering | TEX 2007 | Technical English I | MANDATORY | 2 | 3 | 3 |
| Textile Engineering | TEX 2009 | Introduction to Statistics | MANDATORY | 2 | 3 | 3 |
| Textile Engineering | MTH 2014 | Calculus IV | MANDATORY | 4 | 4 | 4 |
| Textile Engineering | MME 2011 | Materials Science | MANDATORY | 4 | 4 | 4 |
| Textile Engineering | TEX 2008 | Technical English II | MANDATORY | 2 | 3 | 4 |
| Textile Engineering | TEX 2512 | Weaving II | MANDATORY | 2.5 | 4 | 4 |
| Textile Engineering | TEX 3011 | Physical Textile Testing I | MANDATORY | 2.5 | 4 | 5 |
| Textile Engineering | TEX 3013 | Knitting II | MANDATORY | 2.5 | 4 | 5 |
| Textile Engineering | TEX 3023 | Time and Motion Studies | MANDATORY | 2 | 2 | 5 |
| Textile Engineering | TEX 3010 | Chemical Textile Testing | MANDATORY | 2 | 4 | 6 |
| Textile Engineering | TEX 3018 | Technical Textiles II | MANDATORY | 2 | 2 | 6 |
| Textile Engineering | TEX 3502 | Fabric Design | MANDATORY | 2.5 | 4 | 6 |
| Textile Engineering | TEX 4055 | Robotic Systems and Applications | ELECTIVE | 3 | 3 | 7 |
| Textile Engineering | TEX 4519 | Warp Knitting | ELECTIVE | 1.5 | 4 | 7 |
| Textile Engineering | TEX 4524 | Fashion Design | ELECTIVE | 1.5 | 4 | 7 |
| Textile Engineering | TEX 4535 | Analysis and Design of Knitted Fabrics | ELECTIVE | 1.5 | 4 | 7 |
| Textile Engineering | TEX 4539 | Woven Fabric Analysis | ELECTIVE | 2 | 4 | 7 |
| Textile Engineering | TEX 4549 | Coating and Lamination of Textiles | ELECTIVE | 2 | 4 | 7 |
| Textile Engineering | TEX 4553 | Textile Microscopy | ELECTIVE | 1.5 | 4 | 7 |
| Textile Engineering | TEX 4555 | Denim Finishing Technologies | ELECTIVE | 1.5 | 4 | 7 |
| Textile Engineering | TEX 4707 | Computer Programming II | ELECTIVE | 3 | 4 | 7 |
| Textile Engineering | EEE 4018 | Electronics | ELECTIVE | 3 | 3 | 8 |
| Textile Engineering | TEX 4004 | Polymer Chemistry | ELECTIVE | 3 | 3 | 8 |
| Textile Engineering | TEX 4066 | Textile Physics | ELECTIVE | 3 | 3 | 8 |
| Textile Engineering | TEX 4530 | Colour Science | ELECTIVE | 1.5 | 4 | 8 |
| Textile Engineering | TEX 4538 | Textile Auxiliary Agents | ELECTIVE | 2 | 4 | 8 |
| Textile Engineering | TEX 4546 | Financial Management in Textile | ELECTIVE | 2 | 4 | 8 |
| Textile Engineering | TEX 4550 | Clothing Machines | ELECTIVE | 1.5 | 4 | 8 |
| Textile Engineering | TEX 4564 | Dyeing of Fiber Blends | ELECTIVE | 1.5 | 4 | 8 |
| Textile Engineering | TEX 4566 | Alternative Yarn Spinning Methods | ELECTIVE | 2 | 4 | 8 |
| Textile Engineering | TEX 4568 | Energy Saving and Management in Textile Companies | ELECTIVE | 2 | 4 | 8 |
| Faculty of Engineering | ESE 2013 | Engineering Ethics | ELECTIVE | 2 | 3 | 3 |
| Faculty of Engineering | ESE 2014 | Effective Comminication in Engineering | ELECTIVE | 2 | 3 | 3 |
| Faculty of Engineering | ESE 2015 | French for Engineers | ELECTIVE | 2 | 3 | 4 |
| Faculty of Engineering | ESE 2016 | Environmental Pollution and Its Control | ELECTIVE | 2 | 3 | 4 |
| Faculty of Engineering | ESE 2024 | Nature, Environment and Urbanization | ELECTIVE | 2 | 3 | 4 |
| Faculty of Engineering | ESE 2037 | Engineering Economy | ELECTIVE | 2 | 3 | 3 |
| Faculty of Engineering | ESE 2050 | Intellectual Property Rights | ELECTIVE | 2 | 3 | 4 |
| Faculty of Engineering | ESE 2059 | Diasters Administration | ELECTIVE | 2 | 3 | 3 |
| Faculty of Engineering | ESE 2060 | Basic Japanese | ELECTIVE | 2 | 3 | 4 |
| Faculty of Engineering | ESE 2065 | Career Planning and Development | ELECTIVE | 2 | 3 | 3 |

| Faculty of Engineering | ESE 2066 | Occupational Health Diseases in Engineering | ELECTIVE | 2 | 3 | 3 |
|---|---|---|---|---|---|---|
| Faculty of Engineering | ESE 2067 | Business Management and Management | ELECTIVE | 2 | 3 | 3 |
| Faculty of Engineering | ESE 2069 | Personal Style and Image Management | ELECTIVE | 2 | 3 | 3 |
| Faculty of Engineering | ESE 2070 | Climate Change and Sustainable Management | ELECTIVE | 2 | 3 | 4 |
| Faculty of Engineering | ESE 2072 | Informatics Law | ELECTIVE | 2 | 3 | 4 |
| Faculty of Engineering | GÇD 1001 | Volunteerism Studies | ELECTIVE | 2 | 3 | 3 |
| Faculty of Engineering | İHD 1002 | Human Rights | ELECTIVE | 2 | 3 | 4 |
| Faculty of Engineering | ETE 3003 | Introduction to Nanotechnology | ELECTIVE | 2 | 4 | 6 |
| Faculty of Engineering | ETE 3005 | Methods of Artifical Intelligence | ELECTIVE | 2 | 4 | 6 |
| Faculty of Engineering | ETE 3006 | Biomedical Systems | ELECTIVE | 2 | 4 | 6 |
| Faculty of Engineering | ETE 3007 | Fundamentals of Robotics | ELECTIVE | 2 | 4 | 6 |
| Faculty of Engineering | ETE 3014 | GIS for Engineers | ELECTIVE | 2 | 4 | 6 |
| Faculty of Engineering | ETE 3017 | Physical Models | ELECTIVE | 2 | 4 | 6 |
| Faculty of Engineering | ETE 3018 | Modern Engineering Mathematics | ELECTIVE | 2 | 4 | 6 |
| Faculty of Engineering | ETE 3025 | Project Management | ELECTIVE | 2 | 4 | 6 |
| Faculty of Engineering | ETE 3029 | Quality Management | ELECTIVE | 2 | 4 | 6 |
| Faculty of Engineering | ETE 3031 | Navigation Engineering | ELECTIVE | 2 | 4 | 6 |
| Faculty of Engineering | ETE 3032 | Performance Measurement in Businesses | ELECTIVE | 2 | 4 | 6 |
| Faculty of Engineering | ETE 3034 | Financial Management for Engineers | ELECTIVE | 2 | 4 | 6 |
| Faculty of Engineering | ETE 3035 | Elemental & Isotopic Analysis in the Multidisciplinary Fields | ELECTIVE | 2 | 4 | 6 |
| Faculty of Engineering | ETE 3042 | Test, Control And Calıbratıon In Medıcal Devıces | ELECTIVE | 2 | 4 | 6 |
| Faculty of Engineering | ETE 3043 | Digital Transformation in Industry | ELECTIVE | 2 | 4 | 6 |
| Faculty of Engineering | ETE 3044 | Imaging, Art and Museums | ELECTIVE | 2 | 4 | 6 |
| Faculty of Engineering | MTH 3501 | Basic Cyber Security | ELECTIVE | 2 | 4 | 6 |
| Faculty of Engineering | MTH 3502 | Information Networks | ELECTIVE | 2 | 4 | 6 |
| Faculty of Engineering | MTH 3503 | Introduction to Quantum Computing | ELECTIVE | 2 | 4 | 6 |
| Faculty of Engineering | MTH 3504 | Phase Array Radar Technologies | ELECTIVE | 2 | 4 | 6 |
| Faculty of Engineering | MTH 3505 | Wireless Power Transfer Systems | ELECTIVE | 2 | 4 | 6 |
| Faculty of Engineering | MTH 3506 | Pardus and Libreoffice Education | ELECTIVE | 2 | 4 | 6 |
| Faculty of Engineering | MTH 3507 | System Engineering | ELECTIVE | 2 | 4 | 6 |
| Faculty of Engineering | MTH 3508 | Fundamentals of Java and Object Oriented Programming | ELECTIVE | 2 | 4 | 6 |
| Faculty of Engineering | MTH 3510 | Nanocarbon Materials and Their Applications | ELECTIVE | 2 | 4 | 6 |