

Department of Mechanical and Electrical Engineering

Curriculum

| Subjects | | Credits | Credits by Year | | | | |
|-----------------------------------|--|-----------|-----------------|----------|----------|----------|----------|
| | | | 1st | 2nd | 3rd | 4th | 5th |
| Required Subjects | Workshop Practice I | 2 | 2 | | | | |
| | Workshop Practice II | 2 | | 2 | | | |
| | Experiments in Engineering I | 1 | | | 1 | | |
| | Seminar in Engineering | 1 | | | | 1 | |
| | Electric Circuit I | 1 | | | 1 | | |
| | Electronics Circuits I | 2 | | | 2 | | |
| | Electromagnetism | 2 | | | | 2 | |
| | Materials and Mechanics I | 1 | | | 1 | | |
| | Fluid Mechanics I | 1 | | | 1 | | |
| | Thermodynamics | 2 | | | | 2 | |
| | Experiments in Engineering II | 3 | | | | 3 | |
| | Graduation Research | 8 | | | | | 8 |
| | Total Credits Required | 26 | 2 | 2 | 6 | 8 | 8 |
| Subjects Required to Take | Introduction of Mechanical Engineering | 1 | 1 | | | | |
| | Basis of Electricity | 1 | 1 | | | | |
| | Development of Technology | 1 | 1 | | | | |
| | Intellectual Property | 1 | | | 1 | | |
| | Engineering Ethics | 1 | | | | | 1 |
| | English for Industrial Technology I | 1 | | | 1 | | |
| | Industrial English II | 1 | | | | | 1 |
| | Theory of Functions | 1 | | | | 1 | |
| | Probability and Statistics | 1 | | | | 1 | |
| | Fourier Analysis | 1 | | | | | 1 |
| | Computer Literacy | 1 | 1 | | | | |
| | C Language Programming | 2 | | 2 | | | |
| | Applied Programming | 1 | | | 1 | | |
| | Numerical Mathematics | 1 | | | | | 1 |
| | Electric Circuit II | 1 | | | | 1 | |
| | Electronics Circuits II | 1 | | | | 1 | |
| | Actuator | 1 | | | 1 | | |
| | Control Engineering I | 1 | | | | 1 | |
| | Control Engineering II | 2 | | | | | 2 |
| | Measurement II Engineering | 2 | | | | | 2 |
| | Working and Processing Methods | 1 | | 1 | | | |
| | Mechanisms | 1 | | | 1 | | |
| | Industrial Dynamics | 1 | | | 1 | | |
| | Mechanical Dynamics I | 1 | | | | 1 | |
| | Mechanical Dynamics II | 1 | | | | | 1 |
| | Computational Mechanics | 1 | | | | | 1 |
| | Materials I | 2 | | | 2 | | |
| | Materials II | 1 | | | | 1 | |
| | Materials and Mechanics II | 2 | | | | 2 | |
| | Elasto-Plasticity | 1 | | | | | 1 |
| | Fluid Mechanics II | 1 | | | | 1 | |
| | Heat Engine | 1 | | | | | 1 |
| | Mechanical Design I | 2 | | | | 2 | |
| | Mechanical Design II | 1 | | | | | 1 |
| | Fundamental Mechanical Design and Drawing I | 2 | 2 | | | | |
| | Fundamental Mechanical Design and Drawing II | 2 | | 2 | | | |
| | Mechanical Design and Drawing I | 1 | | | 1 | | |
| | Mechanical Design and Drawing II | 1 | | | | 1 | |
| | Mechanical Design and Drawing III | 1 | | | | | 1 |
| | Creation and Research Practice I | 1 | 1 | | | | |
| Creation and Research Practice II | 1 | | | 1 | | | |
| Creative Production I | 2 | | 2 | | | | |

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|----------------------------------|---|------------|-----------------|-----------|-----------|-----------|-----------|
| | | | 1st | 2nd | 3rd | 4th | 5th |
| | Computer Control | 2 | | | 2 | | |
| | Creative Production II | 2 | | | | 2 | |
| | Total Credits Required | 55 | 7 | 7 | 12 | 15 | 14 |
| Elective Subjects | Internship Program I | 1 | | 1 | | | |
| | Internship Program II | 2 | | 2 | | | |
| | Internship I | 1 | | | | 1 | |
| | Internship II | 2 | | | | 2 | |
| | Environment and Recycling | 1 | | | | | 1 |
| | General Physics | 1 | | | | | 1 |
| | Innovative Materials | 1 | | | | | 1 |
| | Turbo Machine | 1 | | | | | 1 |
| | Heat Transfer | 1 | | | | | 1 |
| | Finite Element Method | 1 | | | | | 1 |
| | Fluid Dynamics | 1 | | | | | 1 |
| | Theory of Venture Business | 1 | | | | | 1 |
| | Special Lecture I | 1 | | | | | 1 |
| | Special Lecture II | 1 | | | | | 1 |
| | Fundamental Electrical Engineering | 2 | | | 2 | | |
| | Fundamental Mechanical Engineering | 2 | | | 2 | | |
| | Credits Offered | 16 | | 3 | | 3 | 10 |
| | Credits Offered for Foreign Students | 20 | | 3 | 4 | 3 | 10 |
| | Total Credits Required | 5 | | | | | 5 |
| | Total of Required Subject Credits | | 86 | 9 | 9 | 18 | 23 |
| Total of Required Credits | | 168 | 34 | 34 | 34 | 36 | 30 |