

Curriculum

Basic Interdisciplinary Subjects in Science and Technology

■ – Compulsory Subjects ■ – Compulsory Elective Subjects ■ – Elective Subjects

| Classes | 1st Year | 2nd Year | 3rd Year | 4th Year |
|---|---|---|--|----------|
| Basic Interdisciplinary Subjects in Science and Technology | <p>English Communication I · II</p> <p>German I · II</p> <p>French I · II</p> <p>Chinese I · II</p> <p>Science of Physical Education I · II</p> <p>Basic Humanities I · II</p> <p>Basic Social Science I · II</p> <p>Basic Seminar I · II</p> | <p>English Communication III · IV</p> <p>German III · IV</p> <p>French III · IV</p> <p>Chinese III · IV</p> <p>Science of Physical Education III · IV</p> <p>Area Studies(Europe & America) I · II</p> <p>Area Studies(Asia) I · II</p> | <p>Literature</p> <p>Psychology</p> <p>Japanese Constitution</p> <p>International Relations</p> <p>International Economics</p> <p>Practical English I · II</p> | |

Curriculum

Specialized Education Department of Vehicle and Mechanical Engineering

■ – Compulsory Subjects ■ – Compulsory Elective Subjects ■ – Elective Subjects ■ – Free Elective Subjects

| Classes | | 1st Year | 2nd Year | 3rd Year | 4th Year |
|-----------------------|---|---|---|---|--|
| Specialized Education | Basic Science and Technology Subjects | Calculu I · II Linear Algebra I · II Physics I · II Physics Exercise Experiments in Physics I · II Chemistry I · II Experiments in Earth Science I Experiments in Earth Science II Biology Introduction of Science and Technology Computer Literacy Basics of Mathematics I · II Physics Review Course I · II Chemistry Review Course I · II English Review Course I · II | Earth Science I · II Experiments in Earth Science I · II Experiments in Biology Ethics for Engineers | | |
| | Specialized Transportation Machine Engineering Subjects | Environmental Ethics Information Technology Engineering Mechanics Descriptor Geometry Engineering Drawing Styling Technical Exercises | Computer Simulation Applied Mathematics Applied Mathematics II Exercises of Engineering Mechanics Mechanics of Materials I Mechanics of Materials II Fluid Mechanics I Fluid Mechanics II Thermodynamics I Thermodynamics II Materials Science I Materials Science II Mechanism Machine Element I Control Engineering I Dynamics of Machinery Practical Training of Transportation Engineering I · II | Computer Aided Manufacturing Exercises of Mechanics of Materials Structural Mechanics Exercises of Fluid Mechanics Science of Flow Exercises of Thermodynamics Mechanical Technology Machine Element II Machine Design & CAD Mechanical Design Control Engineering II Element of Vibration Engine I Engine II Automotive Engineering I Automotive Engineering II Aeronautical Engineering I Aeronautical Engineering II Rolling Stock Engineering I Rolling Stock Engineering II Intelligent Transportation Systems Engineering Control Science Electronics I Electronics II Practical Experiment of Transportation Engineering I Practical Experiment of Transportation Engineering II Seminar | Computer Aided Engineering Energy Engineering Vehicle Dynamics Aeronautical & Space Science Naval Architecture Instrumentation Engineering Graduation Research |