

Curriculum

Basic Interdisciplinary Subjects in Science and Technology

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

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

Curriculum

Specialized Education Department of Electrical and Electronic 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 Physics I · II Experiments in Physics I · II Experiments in Earth Science I · II Biology Basics of Mathematics I · II Chemistry Review Course I · II Linear Algebra I · II Physics Exercise Chemistry I · II Computer Literacy Introduction of Science and Technology Physics Review Course I · II English Review Course I · II | Ethics for Engineers Earth Science I · II Experiments in Biology | Experiments in Earth Science I · II | |
| | Specialized Electrical and Electronic Engineering Subjects | Electric Circuit I& Exercise Computer Science Programming I and Exercise Fundamentals of Electrical Theory I · II Introduction of Electrical and Electronic Engineering Electrical and Electronic Engineering Seminar I | Electrical Engineering Course Electromagnetics I · II & Exercise Electric Circuit II & Exercise Electronic Circuits A · B Digital Electronic Circuits I Programming II and Exercise Fundamentals of Electrical and Electronic Measurements Fundamental Experiments of Electrical and Electronic Engineering Electrical and Electronic Engineering Experiments I Fundamentals of Electrical Theory III Fundamentals of Electrical Theory IV Control Theory I Electrical and Electronic Material Science I Electronic Circuits III Embedded system I and Exercise Energy Conversion & Energy Generation Engineering Fundamentals of Communication Engineering Communication Systems | Electrical and Electronic Engineering Experiments II · III Electrical and Electronic Engineering Seminar II Power Electronics Electrical and Electronic Material Science II · III Semiconductor Electronics I · II Electrochemistry Electromagnetics II& Exercise Electronic Circuits C Digital Electronic Circuits II Digital Signal Processing I · II Embedded system II and Exercise Energy Transmission Engineering Electric Machinery High Voltage Engineering Electric Power System Engineering Control Theory II Electronic Measurements Sensor and Sensing Information Theory Electromagnetic Wave Information Network Database | Graduation Research Designing and Drawing of Electrical Apparatus Laws and Regulations on Electric Power Industry |
| | | | Electronic System Course Electromagnetics I · II & Exercise Electric Circuit II & Exercise Electronic Circuits A · B Digital Electronic Circuits I Programming II and Exercise Fundamentals of Electrical and Electronic Measurements Fundamental Experiments of Electrical and Electronic Engineering Electrical and Electronic Engineering Experiments I Embedded system I and Exercise Fundamentals of Electrical Theory III Control Theory I Fundamentals of Communication Engineering Communication Systems Electric Circuit III Fundamentals of Electrical Theory IV Energy Conversion & Energy Generation Engineering Electrical and Electronic Material Science I | Electrical and Electronic Engineering Experiments II · III Electrical and Electronic Engineering Seminar II Digital Signal Processing I · II Embedded system II and Exercise Power Electronics Electronic Measurements Sensor and Sensing Information Theory Electromagnetic Wave Information Network Database Electromagnetics II& Exercise Electronic Circuits C Digital Electronic Circuits II Energy Transmission Engineering Electric Machinery High Voltage Engineering Electric Power System Engineering Control Theory II Electrical and Electronic Material Science II · III Semiconductor Electronics I · II Electrochemistry | Graduation Research Designing and Drawing of Electrical Apparatus Laws and Regulations on Electric Power Industry |