

教育課程

Curriculums

平成30年度入学者から本課程を適用している。

This curriculum is applied to the first-year students in the year 2018, and those who will be admitted hereafter.

一般科目 General Subjects

各学科共通
Common to Each Course

| 授業科目 Subjects | | | 単位数 Number of Credits | 学年別配当 Distribution by Years | | | | |
|---|----------------------|-------------------------------------|--------------------------|--------------------------------|----------|----------|----------|----------|
| | | | | 1 1st | 2 2nd | 3 3rd | 4 4th | 5 5th |
| 国語 Japanese | 国語 I | Japanese I | 4 | 4 | | | | |
| | 国語 II | Japanese II | 2 | | 2 | | | |
| | 国語 III | Japanese III | 2 | | | 2 | | |
| | 日本文学 | Japanese Literature | 1 | | | | 1 | |
| 社会 Humanities & Social Science | 歴史 I | History I | 2 | 2 | | | | |
| | 歴史 II | History II | 1 | | 1 | | | |
| | 倫理 | Ethics | 2 | | 2 | | | |
| | 地理 | Geography | 1 | | | 1 | | |
| | 政治・経済 | Politics & Economy | 1 | | | 1 | | |
| | 哲学 | Philosophy | 1 | | | | 1 | |
| | 法学 | Law | 1 | | | | 1 | |
| 数学 Mathematics | 基礎数学 A | Basic Mathematics A | 4 | 4 | | | | |
| | 基礎数学 B | Basic Mathematics B | 3 | 3 | | | | |
| | 解析学 I | Differential & Integral Calculus I | 4 | | 4 | | | |
| | 解析学 II | Differential & Integral Calculus II | 4 | | | 4 | | |
| | 代数・幾何 I | Algebra & Geometry I | 2 | | 2 | | | |
| | 代数・幾何 II | Algebra & Geometry II | 1 | | | 1 | | |
| 総合数学 | Mathematics Exercise | 1 | | | 1 | | | |
| 理科 Science | 物理学 I | Physics I | 2 | 2 | | | | |
| | 物理学 II A | Physics II A | 2 | | 2 | | | |
| | 物理学 II B | Physics II B | 1 | | 1 | | | |
| | 総合物理 | General Physics | 1 | | | 1 | | |
| | 化学 I | Chemistry I | 2 | 2 | | | | |
| 化学 II | Chemistry II | 3 | | 3 | | | | |
| 保健体育 Health & Physical Education | 保健体育 I | Health & Physical Education I | 2 | 2 | | | | |
| | 保健体育 II | Health & Physical Education II | 2 | | 2 | | | |
| | 保健体育 III | Health & Physical Education III | 2 | | | 2 | | |
| | 保健体育 IV | Health & Physical Education IV | 2 | | | | 2 | |
| | 保健体育 V | Health & Physical Education V | 1 | | | | | 1 |
| 芸術 Art | 美術 | Fine Arts | 1 | 1 | | | | |
| 外国語 Foreign Language | 基礎オーラルコミュニケーション | Basic Oral Communication | 2 | 2 | | | | |
| | 基礎英語 I | Basic English I | 2 | 2 | | | | |
| | 基礎英語 II | Basic English II | 2 | | 2 | | | |
| | 英語表現 I | English Expression I | 2 | 2 | | | | |
| | 英語表現 II | English Expression II | 4 | | 4 | | | |
| | 英語表現 III | English Expression III | 1 | | | 1 | | |
| | 総合英語 | Comprehensive English | 1 | | | 1 | | |
| | 英語講読 I | English Reading I | 2 | | | 2 | | |
| | 英語講読 II | English Reading II | 2 | | | | 2 | |
| 英語講読 III | English Reading III | 1 | | | | | 1 | |
| 一般必修科目開講単位合計 Total of Offered Credits of General Subjects | | | 77 | 26 | 25 | 17 | 7 | 2 |

専門科目 Major Subjects

| 授 業 科 目 Subjects | | | 単位数 Number of Credits | 学年別配当 Distribution by Years | | | | |
|------------------------------|--|--|--------------------------------|--------------------------------|----------|----------|----------|----------|
| | | | | 1 1st | 2 2nd | 3 3rd | 4 4th | 5 5th |
| 必修科目 Required Subjects | 応用数学 A | Applied Mathematics A | 1 | | | | 1 | |
| | 応用数学 B | Applied Mathematics B | 2 | | | | 2 | |
| | 確率・統計 I | Probability & Statistics I | 1 | | | | 1 | |
| | 確率・統計 II | Probability & Statistics II | 1 | | | | | 1 |
| | 数学基礎演習 ^{*1} | Basic Exercise in Mathematics | 1 | | | | 1 | |
| | 数学応用演習 ^{*1} | Advanced Exercise in Mathematics | | | | | | |
| | 応用物理 I | Applied Physics I | 2 | | | 2 | | |
| | 応用物理 II | Applied Physics II | 2 | | | | 2 | |
| | 機械工学基礎 | Introduction to Mechanical Engineering | 1 | 1 | | | | |
| | コンピュータリテラシー | Computer Literacy | 1 | 1 | | | | |
| | 情報処理 I | Information Processing I | 1 | | 1 | | | |
| | 情報処理 II | Information Processing II | 1 | | | 1 | | |
| | 数値計算法 | Numerical Calculation Method | 2 | | | | 2 | |
| | 材料力学 I | Strength of Materials I | 2 | | | 2 | | |
| | 材料力学 II | Strength of Materials II | 2 | | | | 2 | |
| | 材料強度学 | Strength & Fracture of Materials | 1 | | | | | 1 |
| | 機械要素 | Machine Element | 1 | | 1 | | | |
| | 工業力学 | Engineering Mechanics | 1 | | | 1 | | |
| | 機構学 | Mechanism | 1 | | | 1 | | |
| | 機械力学 | Mechanical Dynamics | 2 | | | | 2 | |
| | 熱工学 I | Thermal Engineering I | 2 | | | 2 | | |
| | 熱工学 II | Thermal Engineering II | 2 | | | | 2 | |
| | 熱エネルギー変換 | Thermal Energy Conversion | 1 | | | | | 1 |
| | 流れ学 I | Fluid Engineering I | 2 | | | 2 | | |
| | 流れ学 II | Fluid Engineering II | 2 | | | | 2 | |
| | 流体力学 | Fluid Dynamics | 1 | | | | | 1 |
| | 材料学 I | Material Science & Technology I | 2 | | | 2 | | |
| | 材料学 II | Material Science & Technology II | 1 | | | | 1 | |
| | 計測工学 | Measurement Engineering | 1 | | | | 1 | |
| | 機械工作法 I | Manufacturing Processes I | 2 | 2 | | | | |
| | 機械工作法 II | Manufacturing Processes II | 1 | | 1 | | | |
| | 電気工学 | Electrical Engineering | 2 | | | | 2 | |
| | 電子情報 | Electronics & Information Engineering | 1 | | | | | 1 |
| | メカトロニクス | Mechatronics | 1 | | | | | 1 |
| 制御工学 | Control Engineering | 2 | | | | | 2 | |
| 生産管理工学 | Industrial Engineering | 1 | | | | | 1 | |
| 工業英語 | Technical English | 2 | | | | | 2 | |
| 機械実習 I | Workshop Practice I | 2 | 2 | | | | | |
| 機械実習 II | Workshop Practice II | 4 | | 4 | | | | |
| 機械創造演習 | Creative Mechanical Practice | 2 | | | 2 | | | |
| 機械基礎製図 I | Basic Mechanical Drawing I | 2 | 2 | | | | | |
| 機械基礎製図 II | Basic Mechanical Drawing II | 2 | | 2 | | | | |
| 機械設計製図 I | Mechanical Design & Drawing I | 2 | | | 2 | | | |
| 機械設計製図 II | Mechanical Design & Drawing II | 2 | | | | 2 | | |
| 機械工学実験 I | Mechanical Engineering Laboratory I | 4 | | | | 4 | | |
| 機械工学実験 II | Mechanical Engineering Laboratory II | 2 | | | | | 2 | |
| 卒業研究 | Graduation Thesis | 10 | | | | | 10 | |
| 専門必修科目開講単位数合計 | Total of Offered Credits of Major Subjects | 84 | 8 | 9 | 17 | 27 | 23 | |

*1 数学基礎演習及び数学応用演習は、いずれか一方のみ受講可能

*1 Only as for either, "Basic Exercises in Mathematics" and "Advanced Exercises in Mathematics" can be taken.

選択科目 Elective Subjects

| 授 業 科 目 Subjects | | | 単位数 Number of Credits | 学年別配当 Distribution by Years | | | | |
|------------------------------|--|---|--------------------------------|--------------------------------|----------|----------|----------|----------|
| | | | | 1 1st | 2 2nd | 3 3rd | 4 4th | 5 5th |
| 選択科目 Elective Subjects | 第2外国語 | Second Foreign Language | 2 | | | | | 2 |
| | 実践英語 | Practical English | 2 | | | | | 2 |
| | 工業材料 | Engineering Materials | 2 | | | | | 2 |
| | ロボット工学 | Robotics | 2 | | | | | 2 |
| | シミュレーション工学 | Simulation Engineering | 2 | | | | | 2 |
| | シーケンス制御 | Sequential Control | 2 | | | | | 2 |
| | 画像情報処理 | Image Processing | 2 | | | | | 2 |
| | 選択科目開講単位数合計 | Total of Offered Credits of Elective Subjects | 14 | | | | | 14 |
| 一般必修科目単位数合計 | Total of Required Credits of General Subjects | 77 | 26 | 25 | 17 | 7 | 2 | |
| 専門必修科目単位数合計 | Total of Required Credits of Major Subjects | 84 | 8 | 9 | 17 | 27 | 23 | |
| 選択科目最低修得単位数合計 | Total of Required Credits of Elective Subjects | 6 | | | | | 6 | |
| 修得単位数合計 | Total of Required Credits | 167 | 34 | 34 | 34 | 34 | 31 | |

○の科目は学修単位

○:Equivalent to university credits