### Information Systems Science and Engineering Course Curriculum Chart

- **For Students Enrolled In/After AY2017**
- **Number of credits required for graduation:** 124 or more

<table>
<thead>
<tr>
<th>Year</th>
<th>1st Semester</th>
<th>2nd Semester</th>
<th>3rd Semester</th>
<th>4th Semester</th>
<th>5th Semester</th>
<th>6th Semester</th>
<th>7th Semester</th>
<th>8th Semester</th>
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**Mandatory Subjects:**

- Professional Communication 301②
- Academic Literacy 302②
- Physics for Computer Science ②
- Systems Biology ②
- Physics for Computer Science - Exercises - ②
- Systems Biology - Exercises - ②
- Statistical Analysis, Simulation, and Modeling ②
- Statistical Analysis, Simulation, and Modeling ②
- Applied Information 1②
- Applied Information 1②
- Applied Information 1②

**Designated Registration Subjects:**

- Programming Language ②
- Data Structures and Algorithms ②
- Network Systems ②
- Web Information Engineering ②
- Human Interface ②
- Cloud Computing and Computer Art ②
- Image Processing ②
- Image Recognition and Machine Learning ②
- Software Engineering ②
- Operating Systems ②
- Computer Networks ②
- Computer Structure ②
- Computer Architecture ②
- Computer Graphics ②
- Artificial Intelligence ②
- Database ②
- Data Science ②
- Image Processing ②
- Pattern Recognition and Machine Learning ②

**Related Topics:**

- Software Engineering ②
- Operating Systems ②
- Computer Networks ②
- Computer Structure ②
- Computer Architecture ②
- Computer Graphics ②
- Artificial Intelligence ②
- Database ②
- Data Science ②
- Image Processing ②
- Pattern Recognition and Machine Learning ②

**Additional Credits:**

- [For Students Enrolled In/After AY2017] Information Systems Science and Engineering Course Curriculum Chart

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*See page 29~31*

*An early application is required for some liberal arts subjects. For details, please refer to “Course Registration Guidebook” etc.*