

Table of Curriculum

| Classification | Course No. | Computer Code | Course Name | Lecture; Lab.; Credit (Assignment) | Semester | Note |
|-----------------------------------------|------------|---------------|-------------------------------------------------|------------------------------------|----------------------|------|
| Mandatory Major Course | SEP701 | 79.701 | Software Development Project(1) | 1:15:6(20) | Spring | |
| | SEP702 | 79.702 | Software Development Project(2) | 1:15:6(20) | Fall | |
| Elective Mandatory (at least 2 courses) | SEP521 | 79.521 | Principles of Software Engineering | 3:1:3(5) | Spring | |
| | SEP532 | 79.532 | Theory and Practice for Artificial Intelligence | 3:1:3(6) | Spring | ◎ |
| | SEP561 | 79.561 | Embedded Computing | 2:3:3(6) | Spring | |
| | SEP562 | 79.562 | Embedded System Software | 3:0:3(6) | Spring | |
| | SEP581 | 79.581 | Project Management and Professional Practice | 3:0:3(5) | Fall | |
| | SEP582 | 79.582 | IT Organization and Leadership | 3:0:3(5) | Fall | |
| | SEP583 | 79.583 | Software Industry and Ecosystem | 3:0:3(5) | Fall | |
| Elective Courses | SEP501 | 79.501 | Computing System Overview | 3:0:3(6) | Spring | |
| | SEP502 | 79.502 | Software System Overview | 3:0:3(6) | Spring | |
| | SEP522 | 79.522 | Requirements Engineering | 3:1:3(5) | Summer or Fall | |
| | SEP523 | 79.523 | Software Design | 3:1:3(8) | Fall | |
| | SEP524 | 79.524 | Software Quality Assurance | 3:1:3(6) | Fall | |
| | SEP525 | 79.525 | Software Process | 3:0:3(6) | Summer or Fall | |
| | SEP526 | 79.526 | Software Product Line Engineering | 3:1:3(8) | Fall | |
| | SEP527 | 79.527 | Mobile Software Development | 3:0:3(6) | Spring | ◎ |
| | SEP531 | 79.531 | Information Retrieval | 3:1:3(6) | Fall | ◎ |
| | SEP533 | 79.533 | Representation of Knowledge and Semantics | 3:1:3(6) | Fall | ◎ |
| | SEP542 | 79.542 | Enterprise System Integration | 3:0:3(8) | Fall | |
| | SEP543 | 79.543 | Computing Security | 3:0:3(3) | Spring | ◎ |
| | SEP544 | 79.544 | Internet Service and Infra | 3:0:3(10) | Fall | |
| | SEP545 | 79.545 | Database Design | 3:1:3(6) | Fall | ◎ |
| | SEP547 | 79.547 | IT Service Engineering | 3:1:3(6) | Spring | |
| | SEP564 | 79.564 | Embedded Operating System | 3:0:3(6) | Fall | |
| | SEP565 | 79.565 | Mobile Software | 3:0:3(6) | Fall | |
| | SEP584 | 79.584 | Management of Software Business | 3:0:3(6) | Summer | ◎ |
| | SEP592 | 79.592 | Special Topics in Software | 3:0:3(6) | Spring, Summer, Fall | |
| Research | SEP965 | 79.965 | Independent Study in Master | 0:6:1 | Spring, Fall | |
| | SEP966 | 79.966 | Seminar(Master) | 1:0:1 | Spring, Fall | |

◎: Course mutually recognized by undergraduate and graduate programs

※ Course classification, course title, and mutual recognition of credits may differ according to the effective year of the requirements.

Substitute Course List

| Substitute courses offered by other departments | | | | | |
|-------------------------------------------------|-----------------------------------|------------------------------------|--------------------------------------|------------------------------------------|--------------|
| Category | Courses offered by the department | | Courses offered by other departments | | |
| | Course no. | Course title | Course no. | Course title | Remark |
| Master | SEP521 | Principles of Software Engineering | CS550 | Software Engineering | Substitution |
| Master | SEP544 | Internet Service and Infra | CS542 | Internet Service and Infra | Substitution |
| Master | SEP545 | Database Design | CS562 | Database Design | Substitution |
| Master | SEP547 | IT Sevice Engineering | IE451 | IT Sevice Engineering | Substitution |
| Master | SEP584 | Management of Software Business | CC530 | Entrepreneurship and business strategies | Substitution |