Curriculum Outline

	1st year	2nd year	3rd year	4th year
Computer Science Required Subjects	• Seminar Ⅰ • Programming Ⅰ (Exercises) • Data Representation • Basic Mathematics for Computer science • Calculus • Computer Literacy	• Seminar Ⅱ • 2nd Year Project • Computer Algorithms A,B Exercises • Linear Algebra • Probability and Statistics • Programming Ⅱ	• Seminar Ⅲ • 3rd Year Project	• Seminar Ⅳ／4th Year Project • Graduation Thesis
Computer Science Elective Subjects	• Information and Society • Introduction to College Mathematics	• Discrete Mathematics • Web Technologies • Information and Occupation • Web Content Design • Digital Video Production • Introduction to Computer Systems • Interactive System • Computer Graphics • Introduction to Sensors • Technical Writing • Business Communication • Application Design	• Software Engineering(Workshop) • Multimedia Exercises • Introduction to Mathematical Modeling (Exercises) • Algorithm c • Information Security(Exercises) • Computer Architecture • Introduction to Database Management Systems • Introduction to Security • Programming language Theory • Social Information System • Operating System • Natural Language Processing • Information Science a～f • Cryptography • Mathematical Finance • Mathematics for Computer Science a～f • Introduction to Intellectual Property • Sensor Networks etc.	
English Subjects	• Reading Skills Ⅰ • Oral English Ⅰ • Composition Ⅰ • Pronunciation Ⅰ • Reading and Listening for Proficiency Test a	• CS Reading Skills Ⅱ • CS Speaking and Listening Ⅱ • CS Composition Ⅱ • Reading and Listening for Proficiency Tests b	• Computer Science English a～f	
Health and Physical Education	• Movement Education • Wellness Studies	• Health Education • Leisure Studies		

Number of credits students must earn to graduate 130 credits

※Curriculums and graduation requirements may change.