

Curriculum Outline

	1st year	2nd year	3rd year	4th year
Mathematics Required Subjects	<ul style="list-style-type: none"> • Seminar I • Basics of Calculus I • Introduction to Mathematics • Linear Algebra I • Computer Mathematics 	<ul style="list-style-type: none"> • Seminar II • Basics of Calculus II • Linear Algebra II 	<ul style="list-style-type: none"> • Seminar III 	<ul style="list-style-type: none"> • Seminar IV
Mathematics Elective Subjects	<ul style="list-style-type: none"> • Basic Mathematics a • Basic Mathematics b 	<ul style="list-style-type: none"> • Introduction to Algebra • Introduction to General Topology • Introduction to Probability and Statistics • Numerical Computation • Basics of Algebra • Introduction to Geometry • Introduction to Numerical Analysis 	<ul style="list-style-type: none"> • Algebra • Geometry A • Geometry B • Functional Analysis • Complex Analysis • Lebesgue Integral • Measure Theoretic Probability Theory • Special Lecture on Mathematics A-E • Introduction to Image Processing of Formulas and Figures 	<ul style="list-style-type: none"> • Advanced Topics in Algebra • Advanced Topics in Geometry • Advanced Topics in Analysis • Advanced Topics in Applied Mathematics • Advanced Topics in Mathematics XA-XG
Computer Required Subjects	<ul style="list-style-type: none"> • Introduction to Programming 			
Computer Elective Subjects	<ul style="list-style-type: none"> • Computer Literacy • Information and Society 	<ul style="list-style-type: none"> • Introduction to Media Processing and Modeling • Introduction to Computer Algorithms • Information and Occupation 	<ul style="list-style-type: none"> • Cryptography and Information • Introduction to Optimizations • Logic and Computer Science • Computer Simulation • Introduction to Information and Communications Network • Theory of Computation • Introduction to Information Systems 	
English Required Subjects	<ul style="list-style-type: none"> • Reading Skills I • Oral English I • Composition I • Pronunciation I 	<ul style="list-style-type: none"> • Listening & Speaking II 		
Health and Physical Education	<ul style="list-style-type: none"> • Movement Education • Wellness Studies 	<ul style="list-style-type: none"> • Health Education • Leisure Studies 	Number of credits students must earn to graduate 124 credits	