

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 Linear Algebra I Vectors, Matrices and Geometry 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"> Introduction to University Mathematics 	<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 Numerical Analysis Introduction to Sets and Mappings Practice of Sets and Mappings 	<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 Mathematics XA-XO
Computer Required Subjects	<ul style="list-style-type: none"> Introduction to Programming 			
Computer Elective Subjects	<ul style="list-style-type: none"> Introduction to Data Science Introduction to Data Literacy Information and Society Society and Data Utilization 	<ul style="list-style-type: none"> Introduction to Media Processing and Modeling Introduction to Computer Algorithms Information Society and Information Ethics 	<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	

※Curriculums and graduation requirements may change.