

Faculty of Science and Technology / Department of Mathematics

Curriculum

Basic Interdisciplinary Subjects in Science and Technology

■ – Compulsory Subjects ■ – Compulsory Elective Subjects ■ – Elective Subjects ■ – Subjects Not Counted in Graduation Requirements

Classes	1st Year	2nd Year	3rd Year	4th Year
Basic Interdisciplinary Subjects in Science and Technology	English Communication I · II	English Communication III · IV	Literature	
	German I · II	German III · IV	Psychology	
	French I · II	French III · IV	Japanese Constitution	
	Chinese I · II	Chinese III · IV	International Relations	
	Science of Physical Education I · II	Science of Physical Education III · IV	International Economics	
	Basic Humanities I · II	Area Studies(Europe & America) I · II	Practical English I · II	
	Basic Social Science I · II	Area Studies(Asia) I · II		
Basic Seminar I · II				

Specialized Education Department of Mathematics

■ – Compulsory Subjects ■ – Compulsory Elective Subjects ■ – Elective Subjects ■ – Subjects Not Counted in Graduation Requirements

Classes	1st Year	2nd Year	3rd Year	4th Year
Specialized Education	Calculus I · II Linear Algebra I · II Calculus I · II : Exercise Linear Algebra I · II : Exercise Basics of Mathematics I · II Physics I · II Physics Exercise Chemistry I · II Computer Literacy Mathematics Review Course I · II Physics Review Course I · II Chemistry Review Course I · II English Review Course I · II Fundamentals of Mathematical Science I · II Science Volunteer Activity I · II	Ethics for Engineers Scientific Investigation I · II Fundamentals of Mathematical Science III · IV		
	Computer Science Information Science I · II	Mathematical Science I · II Ethics in the Information Theory Professional Applications of Information Technology Calculus III · IV Linear Algebra III · IV Foundation of Modern Mathematics I Analysis I · II Algebra I · II Geometry I · II Mathematical Analysis of Information I · II Computer Science I · II Preseminar	Mathematical Physics I · II Information Science III · IV Theory of Algorithms and Data Structures Theory of Management Information Theory of Computer Network Pattern Information Processing Theory of Human Information Processing Foundation of Modern Mathematics II Analysis III · IV · V · VI Algebra III · IV · V · VI Geometry III · IV · V · VI Mathematical Analysis of Information III · IV · V · VI Computer Science III · IV · V · VI Teaching Study I	Analysis VII · VIII Algebra VII · VIII Geometry VII · VIII Mathematical Analysis of Information VII · VIII Computer Science VII · VIII Teaching Study II Graduation Research