

## 2. Specialized Courses 専攻教育

Categories 区分	Subject 授業科目(単位数)	Minimum Number of Credits Required by Course Category 科目区分毎の 最低修得単位数	Total 合計	
S p e c i a l i z e d  C o u r s e s  専 攻 教 育 科 目	Technical Communication テクニカルコミュニケーション	6	82	
	Tutorial チュートリアル	4		
	Common Basic Subjects 共通基礎・特別科目	30		
	Specialized Subjects 専攻科目	14		
	Laboratory Subjects ラボラトリー科目	4		
	Fieldwork Practice Subjects 実験・演習科目	6		
	Thesis 卒業研究科目	10		
	Others その他			
		Technical Communication 1-I (テクニカルコミュニケーション1-I) (1)		
		Technical Communication 1-II (テクニカルコミュニケーション1-II) (1)		
		Technical Communication 2-I (テクニカルコミュニケーション2-I) (1)		
		Technical Communication 2-II (テクニカルコミュニケーション2-II) (1)		
		Technical Communication 3-I (テクニカルコミュニケーション3-I) (1)		
		Technical Communication 3-II (テクニカルコミュニケーション3-II) (1)		
	Introduction to Bioresource and Bioenvironmental Sciences 1-I (生物資源環境科学入門1-I) (1)			
	Introduction to Bioresource and Bioenvironmental Sciences 1-II (生物資源環境科学入門1-II) (1)			
	Introduction to Bioresource and Bioenvironmental Sciences 2-I (生物資源環境科学入門2-I) (1)			
	Introduction to Bioresource and Bioenvironmental Sciences 2-II (生物資源環境科学入門2-II) (1)			
	Core Seminar I (コアセミナーI) (1)			
	Core Seminar II (コアセミナーII) (1)			
	Analytical Chemistry I (分析化学I) (1)			
	Analytical Chemistry II (分析化学II) (1)			
	Introductory Biochemistry I (生物化学I) (1)			
	Introductory Biochemistry II (生物化学II) (1)			
	Bio-organic Chemistry I (生物有機化学I) (1)			
	Bio-organic Chemistry II (生物有機化学II) (1)			
	Physiology I (生理学I) (1)			
	Physiology II (生理学II) (1)			
	Applied Cell Biology I (応用細胞生物学I) (1)			
	Applied Cell Biology II (応用細胞生物学II) (1)			
	Basic Ecology and Biology I (基礎生態生物学I) (1)			
	Basic Ecology and Biology II (基礎生態生物学II) (1)			
	Ecological Developmental Biology I (生態発生生物学I) (1)			
	Ecological Developmental Biology II (生態発生生物学II) (1)			
	Systematics, Diversity and Evolution I (分類学・系統進化学I) (1)			
	Systematics, Diversity and Evolution II (分類学・系統進化学II) (1)			
	General Physics I (一般物理I) (1)			
	General Physics II (一般物理II) (1)			
	Physical Mathematics and Practices I (物理数学・同演習I) (2)			
	Physical Mathematics and Practices II (物理数学・同演習II) (1)			
	Information Processing and Practices I (情報処理学・同演習I) (2)			
	Information Processing and Practices II (情報処理学・同演習II) (1)			
	Elementary Statistics I (統計学基礎I) (1)			
	Elementary Statistics II (統計学基礎II) (1)			
	Elementary Economics I (経済学基礎I) (1)			
	Elementary Economics II (経済学基礎II) (1)			
	Current Global Agricultural Issues I (国際関係論I) (1)			
	Current Global Agricultural Issues II (国際関係論II) (1)			
	Agricultural Field Visit 1 (実地見学1) (1)			
	Agricultural Field Visit 2 (実地見学2) (1)			
	Active Japanese 1 (1)			
	Active Japanese 2 (1)			
	Progressive Japanese 1 (1)			
	Progressive Japanese 2 (1)			
	Business Communication in Japanese (1)			
	Scientific Japanese 1 (1)			
	Scientific Japanese 2 (1)			
	Advanced Bioresource and Bioenvironmental sciences 1 (生物資源環境科学特論1) (1)			
	Advanced Bioresource and Bioenvironmental sciences 2 (生物資源環境科学特論2) (1)			
	Agricultural Economics I (農政経済学I) (1)			
	Agricultural Economics II (農政経済学II) (1)			
	Genetics and Plant Breeding (遺伝・育種学) (2)			
	Agro-production Environmental Engineering I (生物生産環境工学I) (1)			
	Agro-production Environmental Engineering II (生物生産環境工学II) (1)			
	Agri-Food Production System Engineering I (生物生産システム工学I) (1)			
	Agri-Food Production System Engineering II (生物生産システム工学II) (1)			
	Crop Production and Physiology I (作物生産生理学I) (1)			
	Crop Production and Physiology II (作物生産生理学II) (1)			
	Plant Protection and Pest Management I (植物保護管理学I) (1)			
	Plant Protection and Pest Management II (植物保護管理学II) (1)			
	Special Lecture on Agricultural Engineering and Economics 1 (農業工学・経済学特別講義1) (1)			
	Special Lecture on Agricultural Engineering and Economics 2 (農業工学・経済学特別講義2) (1)			
	Special Lecture on Bioresource and Bioenvironmental sciences 1 (生物資源・生物環境科学特別講義1) (1)			
	Special Lecture on Bioresource and Bioenvironmental sciences 2 (生物資源・生物環境科学特別講義2) (1)			
	Microbiology I (微生物学I) (1)			
	Microbiology II (微生物学II) (1)			
	Molecular Biology I (分子生物学I) (1)			
	Molecular Biology II (分子生物学II) (1)			
	Bio-Engineering I (生命工学I) (1)			
	Bio-Engineering II (生命工学II) (1)			
	Food Science I (食品科学I) (1)			
	Food Science II (食品科学II) (1)			
	Special Lecture on Applied bioscience 1 (応用バイオサイエンス特別講義1) (1)			
	Special Lecture on Applied bioscience 2 (応用バイオサイエンス特別講義2) (1)			
	Forest Management I (森林管理学I) (1)			
	Forest Management II (森林管理学II) (1)			
	Forest Products Science I (森林資源学I) (1)			
	Forest Products Science II (森林資源学II) (1)			
	Biomaterial Science I (生物材料科学I) (1)			
	Biomaterial Science II (生物材料科学II) (1)			
	Special Lecture on Forest and Forest products 1 (森林・林産物特別講義1) (1)			
	Special Lecture on Forest and Forest products 2 (森林・林産物特別講義2) (1)			
	Environmental and Ecological Science for Animal Production I (動物生産・環境学I) (1)			
	Environmental and Ecological Science for Animal Production II (動物生産・環境学II) (1)			
	Animal Life Science (動物生命科学) (1)			
	Marine Life Science (水産生命科学) (1)			
	Utilization of Animal and Marine Resources I (動物資源利用学I) (1)			
	Utilization of Animal and Marine Resources II (動物資源利用学II) (1)			
	Special Lecture on Animal and Marine Science 1 (動物海洋学特別講義1) (1)			
	Special Lecture on Animal and Marine Science 2 (動物海洋学特別講義2) (1)			
	Laboratory Rotation 1 (生物資源環境学) (2)			
	Laboratory Rotation 2 (生物資源環境学) (2)			
	Bioresource and Bioenvironment Experiments and Practice C-I; Analytical chemistry (生物資源環境学実験・演習 C-I; 分析化学) (1)	1		
	Bioresource and Bioenvironment Experiments and Practice C-II; Natural products chemistry (生物資源環境学実験・演習 C-II; 天然物化学) (1)	1		
	Bioresource and Bioenvironment Experiments and Practice; Computational Biology (生物資源環境学実験・演習; 計算生物学) (1)	1		
	Bioresource and Bioenvironment Experiments and Practice M-I; Molecular biology (生物資源環境学実験・演習 M-I; 分子生物学) (1)	1		
	Bioresource and Bioenvironment Experiments and Practice M-II; Molecular biology (生物資源環境学実験・演習 M-II; 分子生物学) (1)	1		
	Bioresource and Bioenvironment Experiments and Practice; Developmental biology and toxicology (生物資源環境学実験・演習; 発生生物学と毒性学) (1)	1		
	Fieldwork on Bioresource and Bioenvironment 1 (生物資源環境学実習1) (1)	2		
	Fieldwork on Bioresource and Bioenvironment 2 (生物資源環境学実習2) (1)	2		
	Seminar and Exercise Related to Graduation Thesis (卒業実験・演習) (2)			
	Graduation Thesis (卒業研究) (8)			
	International Co-Learning Practice in Science and Technology (2)			
	※ 2nd and 3rd-year students can take eight credits in the Common Basic subjects, Specialized subjects and some opened especially or temporary subjects. ※ Students in the Dual-Degree Program will take eight credits by International Exchange Seminars and Practices 1 & 2.			