

2.Specialized Courses 専攻教育

Categories 区 分	Subject 授 業 科 目	Minimum Number of Credits Required 最低修得単位数	
		Number of Credits by Course Category 科目区分毎の単位数	Total 合 計
Technical Communication テクニカルコミュニケーション	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)	6	
Tutorial チュートリアル	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)	4	
Common Basic Subjects 共通基礎・特別科目	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)	30	
Specialized Subjects 専攻科目	Advanced in Bioresource and Bioenvironmental sciences 1 (生物資源環境科学特論 1) (1) Advanced in 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 Resource I (動物資源利用学 I) (1) Utilization of Animal and Marine Resource 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)	14	82
Laboratory Subjects ラボラトリー科目	Laboratory Rotation 1 (生物資源環境学 1) (2) Laboratory Rotation 2 (生物資源環境学 2) (2)	4	
Fieldwork Practice Subjects 実験・演習科目	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) 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) 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) Bioresource and Bioenvironment Experiments and Practice M-I; Molecular biology (生物資源環境学実験・演習; 分子生物学) (1) Bioresource and Bioenvironment Experiments and Practice M-II; Molecular biology (生物資源環境学実験・演習; 分子生物学) (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) Fieldwork on Bioresource and Bioenvironment 1 (生物資源環境学実習 1) (1) Fieldwork on Bioresource and Bioenvironment 2 (生物資源環境学実習 2) (1)	6	
Thesis 卒業研究科目	Seminar and Exercise Related to Graduation Thesis (卒業実験・演習) (2) Graduation Thesis (卒業研究) (8)	10	
Others その他	※ 2nd and 3rd-year students can take eight credits designing 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.	8	