

## Japan-Expert Program (Agricultural Science Course) Curriculum Model

		First Year			Second Year			Third Year			Fourth Year		
		October to March		April to September	October to March		April to September	October to March		April to September	October to March		April to September
General foundation subjects	Common foundation subjects	Multidisciplinary subjects	Japan-Expert Freshman Seminar	1	Freshman Seminar Multidisciplinary subjects I Multidisciplinary subjects II	7				Multidisciplinary subjects III	1		
		Foreign Language(Japanese)	Japanese	15									
		Foreign Language(English)	(English)		English	4.5	English (Practical English)	1					
		Physical Education	Physical Education	1	Physical Education	1	Physical Education	1					
		Information			Information	2							
	Japanese culture, etc.			• Japan-Expert Common foundation subjects • Free elective subjects	6.5 or more	Free elective subjects	3~						
Foundation subjects for major				<ul style="list-style-type: none"> <li>• Introduction to Japan-Expert</li> <li>• Introduction to Agrobiological Sciences</li> <li>• Current Topics on Agrobiology</li> <li>• Agrobiology Exercise</li> <li>• Agrobiology Practice</li> <li>• Biology I ~ III</li> <li>• General Geoscience I ~ III</li> <li>• Chemistry I • II</li> <li>• Physics I • II</li> <li>• Mathematics for Biological Resources Science I • II</li> <li>• Economics I • II</li> <li>• Basic Social Sciences I • II</li> <li>• Statistics, Introduction</li> <li>• Field Studies in Bioresource Science</li> <li>• Biology, Laboratory</li> <li>• Chemical Experiments</li> <li>• Physics, Laboratory</li> <li>• Laboratory Works on Geoscience</li> <li>• Basic Mathematics, Exercise and more.</li> </ul>	7+14 or more								
Major Subjects						<ul style="list-style-type: none"> <li>• Plant Physiology</li> <li>• Ecology</li> <li>• Plant Genetics</li> <li>• Organic Chemistry</li> <li>• Biochemistry</li> <li>• Molecular Biology</li> <li>• Introduction Analysis I</li> <li>• Introduction to Fluid Engineering I</li> <li>• Heat and Mass Transfer</li> <li>• Soil Physics I</li> <li>• Agrobiological Resource Economics</li> <li>• Forest Resources Economics</li> <li>• Rural Sociology</li> <li>• Crop Production and Utilization</li> <li>• Horticultural Science</li> <li>• Plant Protection</li> <li>• Introduction to Animal Science</li> <li>• Environmental Chemistry</li> <li>• Field Practices in Bioresource Production (※1)</li> </ul>			<ul style="list-style-type: none"> <li>• Crop Production</li> <li>• Crop Production Systems</li> <li>• Plant Breeding</li> <li>• Vegetable Production</li> <li>• Fruit Production and Postharvest Physiology</li> <li>• Plant Pathology</li> <li>• Applied Zoology and Entomology</li> <li>• Animal Production</li> <li>• Silviculture</li> <li>• Biometrics</li> <li>• Forest Botany</li> <li>• Soil Science</li> <li>• Plant Nutrition</li> <li>• Plant Response to Environmental Changes</li> <li>• Environmental Conservation Science</li> <li>• Bioproduction and Machinery</li> <li>• Rural Planning and Farm Land Engineering</li> <li>• Agrobiological Economics</li> <li>• Theory of Agribusiness</li> <li>• International Cooperation and Technology Transfer</li> <li>• Agricultural and Forestry Policies</li> <li>• Agricultural and Food Economics</li> <li>• Ethics in Scientific Technology</li> <li>• Bioproduction Machinery Practice (※2)</li> </ul>	21 + 10 or more	16 + 15 or more		
						English for Specialized Subjects I	2			English for Specialized Subjects II, Internships, Graduation Research		10	
Credits			17~		42~			38~		36~		6~	