

(理工情報生命学院 数理工学科学研究科 博士前期課程) Degree Programs in Pure and Applied Sciences, Graduate School of Science and Technology (Master's Programs)							汎用コンピテンス Generic Competences					専門コンピテンス Specific Competences					
科目区分 Course Category	科目番号 Course Number	授業科目の名称 Course Name	標準履修年次 Standard registration year	単位数 Credits				1 知の活用能力 Knowledge application competence	2 マネジメント能力 Management competence	3 コミュニケーション能力 Communication competence	4 チームワーク力 Teamwork competence	5 国際性 Internationality competence	1 化学専門知識 Specialized chemical knowledge	2 論理的思考力と問題解決能力 Logical thinking and problem-solving ability	3 専門化学英語力 English proficiency specialized in chemistry	4 研究推進能力 Ability to drive research forward	5 良質な研究倫理観 Research ethical view of good quality
				必修 Required	選択 Core Electives	自由 Free Electives	講義 Lectures										
■ 研究群共通科目 Degree Programs' Common Courses																	
基礎科目 (研究群共通) Foundation Subjects	0A1000	数理工学コロキウム	Colloquium on Pure and Applied Sciences	1	1												
	0A1011	計測標準学	Fundamental Physical Constants and Metrology	1-2	1												
	0A1012	プレゼンテーション・科学英語技法	Presentation Skill for Engineers and Scientists	1-2	1												
	0A1030	修了生によるオムニバス講座	Alumni Seminar by Alumni	1	1												
	0A1040	ナノテクノロジーキャリアアップ特論	Nanotechnology Career-enhancing Tele-lecture	1-2	1												
	0A1013	Science in Japan I	Science in Japan I	1	1												
0A1014	Science in Japan II	Science in Japan II	1	1													
■ 化学学位プログラム (M) Master's Program in Chemistry																	
専門基礎科目 Foundation Subjects for Major	0A1E011	先端自然化学特論	Advanced Modern Natural Chemistry	1-2	1												
	0A1E012	先端分子化学特論	Advanced Modern Molecular Chemistry	1-2	1												
	0A1E013	先端無機化学特論	Advanced Modern Inorganic Chemistry	1-2	1												
	0A1E014	先端有機化学特論	Advanced Modern Organic Chemistry	1-2	1												
	0A1E015	有機物理化学特論	Advanced Organic Physical Chemistry	1-2	2												
	0A1E016	有機合成化学特論	Advanced Synthetic Organic Chemistry	1-2	2												
	0A1E017	有機構造化学I	Organic Structural Chemistry I	1-2	1												
	0A1E018	有機構造化学II	Organic Structural Chemistry II	1-2	1												
	0A1E019	有機物理化学特論	Advanced Organic Physical Chemistry	1-2	2												
	0A1E020	有機物理化学特論	Advanced Organic Physical Chemistry	1-2	2												
	0A1E021	有機物理化学特論	Advanced Organic Physical Chemistry	1-2	2												
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