

Curriculum Map (Chart of courses in relations to Diploma Policy)

School / Program	Course Type	Course Code	Numbering	Course Title	Credits	Remarks	DP1	DP2	DP3	DP4
Graduate School of Science and Technology, MS in Green Science and Engineering Division	Compulsory	MSCT800E	SCT613-75e00	THESIS GUIDANCE	0					
		MSCT900E	SCT614-75e00	MASTER'S THESIS	0					
	Electives	MSCT196E	SCT511-75e00	MASTER'S THESIS TUTORIAL AND EXERCISE 1A	1	Basic Courses of the School in Science and Technology		○	○	○
		MSCT197E	SCT512-75e00	MASTER'S THESIS TUTORIAL AND EXERCISE 1B	1	Basic Courses of the School in Science and Technology		○	○	○
		MSCT296E	SCT611-75e00	MASTER'S THESIS TUTORIAL AND EXERCISE 2A	1	Basic Courses of the School in Science and Technology		○	○	○
		MSCT297E	SCT612-75e00	MASTER'S THESIS TUTORIAL AND EXERCISE 2B	1	Basic Courses of the School in Science and Technology		○	○	○
		MSCT7025	SCT513-75e00	English for Science/Engineering A	2	Basic Courses of the School in Science and Technology		○	○	○
		MSCT7045	SCT514-75e00	English for Science/Engineering B	2	Basic Courses of the School in Science and Technology		○	○	○
		D95507	ENV634-94e00	GLOBAL ENVIRONMENT OUTLOOK	2	(Other), General Courses of the Graduate School in Science and Technology	○		○	
		D95510	ENV635-94e00	ENVIRONMENT AND SUSTAINABLE LIFESTYLES	2	(Other), General Courses of the Graduate School in Science and Technology	○		○	
		D95517	ENV640-94e00	ENVIRONMENTAL PLANNING	2	(Other), General Courses of the Graduate School in Science and Technology	○		○	
		D95519	ENV641-94e00	ENVIRONMENTAL ASSESSMENT	2	(Other), General Courses of the Graduate School in Science and Technology	○		○	
		D95547	ENV651-94e00	ENVIRONMENTAL ECOLOGY	2	(Other), General Courses of the Graduate School in Science and Technology	○		○	
		D95548	ENV652-94e00	ECOLOGICAL RISK ASSESSMENT OF POLLUTANTS	2	(Other), General Courses of the Graduate School in Science and Technology	○		○	
		MSGR1940	GSE501-75e00	SEMINAR IN GREEN SCIENCE AND ENGINEERING 1A	2	Own Division		○	○	○
		MSGR1950	GSE502-75e00	SEMINAR IN GREEN SCIENCE AND ENGINEERING 1B	2	Own Division		○	○	○
		MSGR2940	GSE601-75e00	SEMINAR IN GREEN SCIENCE AND ENGINEERING 2A	2	Own Division		○	○	○
		MSGR2950	GSE602-75e00	SEMINAR IN GREEN SCIENCE AND ENGINEERING 2B	2	Own Division		○	○	○
		MSGR7010	GSE503-75e00	GREEN SCIENCE AND ENGINEERING 1	2	Own Division	○	○	○	
		MSGR7020	GSE504-75e00	GREEN SCIENCE AND ENGINEERING 2	2	Own Division	○	○	○	
		MSGR7030	GSE505-75e00	GREEN SCIENCE AND ENGINEERING 3	2	Own Division	○	○	○	
		MSGR7040	GSE506-75e00	GREEN SCIENCE AND ENGINEERING 4	2	Own Division	○	○	○	
		MSGR7046	INF505-75e00	ARTIFICIAL INTELLIGENCE	2	Own Division	○	○	○	
		MSGR7050	MEC503-75e00	ADVANCED MECHANICAL ENGINEERING 1	2	Own Division	○	○	○	
		MSGR7060	MEC504-75e00	ADVANCED MECHANICAL ENGINEERING 2	2	Own Division	○	○	○	
		MSGR7070	EEE511-75e00	ADVANCED ELECTRICAL AND ELECTRONICS ENGINEERING 1	2	Own Division	○	○	○	
		MSGR7080	EEE512-75e00	ADVANCED ELECTRICAL AND ELECTRONICS ENGINEERING 2	2	Own Division	○	○	○	
		MSGR7090	ACH503-75e00	ENVIRONMENTAL CHEMISTRY	2	Own Division	○	○	○	
		MSGR7100	ACH504-75e00	ADVANCED MATERIALS	2	Own Division	○	○	○	
		MSGR7130	MTH505-75e00	DIFFERENTIAL EQUATIONS FOR NATURAL PHENOMENA	2	Own Division	○	○	○	
		MSGR7170	BIO503-75e00	ENVIRONMENTAL BASIC BIOLOGY	2	Own Division	○	○	○	
		MSGR7180	BIO504-75e00	ENVIRONMENTAL LIFE SCIENCE	2	Own Division	○	○	○	
		MSGR7190	INF506-75e00	COMPUTER SCIENCE	2	Own Division	○	○	○	
		MSGR7200	INF507-75e00	APPLIED COMPUTER SCIENCE	2	Own Division	○	○	○	
	MSGR7210	GRE620-75e00	INTRODUCTION TO SUPERCONDUCTIVITY	2	Own Division	○	○	○		
	MSGR7220	GSE575-75e00	COMPUTATIONAL CHEMISTRY	2	Own Division	○	○	○		
	MSGR7230	GSE510-75e00	SUPRAMOLECULAR ANALYTICAL CHEMISTRY	2	Own Division	○	○	○		
	MSME7010	MEC505-75j00	材料力学特論	2	Other Division	○				
	MSME7020	MEC506-75j00	構造力学特論	2	Other Division	○				

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		MSME7030	MEC507-75j00	固体力学特論	2	Other Division	○			
		MSME7040	MEC508-75j00	機械力学特論	2	Other Division	○			
		MSME7050	MEC509-75j00	マルチボディ・ダイナミクス	2	Other Division	○			
		MSME7070	MEC510-75j00	熱エネルギー変換工学特論	2	Other Division	○			
		MSME7080	MEC511-75j00	伝熱工学特論	2	Other Division	○			
		MSME7090	MEC512-75j00	燃焼工学特論	2	Other Division	○			
		MSME7120	MEC515-75j00	流体エネルギー変換工学特論	2	Other Division	○			
		MSME7140	MEC516-75j00	精密加工工学特論	2	Other Division	○			
		MSME7150	MEC517-75j00	計測工学特論	2	Other Division	○			
		MSME7160	MEC518-75j00	制御工学特論A	2	Other Division	○			
		MSME7170	MEC519-75j00	制御工学特論B	2	Other Division	○			
		MSME7180	MEC520-75j00	アドバンスト制御	2	Other Division	○			
		MSME7190	MEC521-75j00	材料工学特論	2	Other Division	○			
		MSME7210	MEC522-75j00	機械設計法特論	2	Other Division	○			
		MSME7220	MEC523-75j00	環境材料学	2	Other Division	○			
		MSME7230	MEC524-75j00	機械工学応用	2	Other Division	○			
		MSME7240	MEC513-75j00	流体工学特論	2	Other Division	○			
		MSME7250	MEC514-75j00	FUNDAMENTALS OF MICROSYSTEM DESIGN	2	Other Division	○			
		MSEE7020	EEE547-75j00	光導波工学	2	Other Division	○			
		MSEE7030	EEE541-75j00	量子物性工学	2	Other Division	○			
		MSEE7060	EEE521-75j00	電気エネルギー工学特論	2	Other Division	○			
		MSEE7070	EEE543-75j00	集積回路工学	2	Other Division	○			
		MSEE7080	EEE545-75j00	光デバイス工学	2	Other Division	○			
		MSEE7090	EEE546-75j00	光伝送工学	2	Other Division	○			
		MSEE7140	EEE542-75j00	半導体デバイス工学	2	Other Division	○			
		MSEE7150	EEE544-75j00	先端電子デバイス工学	2	Other Division	○			
		MSEE7180	EEE525-75j00	先端超伝導応用	2	Other Division	○			
		MSEE7200	EEE563-75j00	ワイヤレス通信工学	2	Other Division	○			
		MSEE7211	EEE522-75j00	電力ネットワーク工学	2	Other Division	○			
		MSEE7220	EEE565-75j00	センサネットワーク特論	2	Other Division	○			
		MSEE7230	EEE523-75j00	電気エネルギー管理と制御	2	Other Division	○			
		MSEE7240	EEE564-75j00	通信用光回路工学	2	Other Division	○			
		MSEE7250	EEE524-75j00	超伝導応用工学	2	Other Division	○			
		MSEE7260	EEE567-75j00	モバイル通信の進化とデジタル社会への変革	2	Other Division	○			
		MSEE7270	EEE562-75j00	エンタープライズシステム特論	2	Other Division	○			
		MSAC7020	ACH503-75j00	高分子合成特論	2	Other Division	○			
		MSAC7040	ACH504-75j00	電離気体反応論	2	Other Division	○			
		MSAC7060	ACH505-75j00	高分子解析特論	2	Other Division	○			

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		MSAC7080	ACH507-75j00	工業材料化学特論	2	Other Division	○			
		MSAC7100	ACH508-75j00	高分子物性特論	2	Other Division	○			
		MSAC7120	ACH509-75j00	電磁波化学特論	2	Other Division	○			
		MSAC7140	ACH511-75j00	環境化学特論	2	Other Division	○			
		MSAC7180	ACH514-75j00	有機合成化学特論 (機器構造解析)	2	Other Division	○			
		MSAC7160	ACH512-75j00	有機金属化学特論	2	Other Division	○			
		MSAC7170	ACH513-75j00	応用化学特論	2	Other Division	○			
		MSAC7190	ACH506-75j00	光機能材料特論	2	Other Division	○			
		MSAC7200	ACH510-75j00	有機合成化学特論(フロンティア軌道と有機反応)	2	Other Division	○			
		MSCH7010	CHM503-75j00	物理化学特論 (構造化学)	2	Other Division	○			
		MSCH7021	CHM504-75j00	分析化学特論 (電気化学分析)	2	Other Division	○			
		MSCH7031	CHM505-75j00	有機化学特論 (医薬品設計・合成化学)	2	Other Division	○			
		MSCH7040	CHM506-75j00	無機化学特論 (地球化学)	2	Other Division	○			
		MSCH7055	CHM507-75j00	有機化学特論 (有機化学演習)	2	Other Division	○			
		MSCH7061	CHM508-75j00	分析化学特論 (超分子化学)	2	Other Division	○			
		MSCH7070	CHM509-75j00	分析化学特論 (先端分析化学)	2	Other Division	○			
		MSCH7130	CHM514-75j00	無機化学特論 (無機反応化学)	2	Other Division	○			
		MSCH7090	CHM510-75j00	無機化学特論 (錯体化学)	2	Other Division	○			
		MSCH7101	CHM511-75j00	有機化学特論 (天然物化学)	2	Other Division	○			
		MSCH7110	CHM512-75j00	物理化学特論 (理論化学)	2	Other Division	○			
		MSCH7120	CHM513-75j00	物理化学特論 (環境科学)	2	Other Division	○			
		MSPY7010	PHY603-75j00	光物性	2	Other Division	○			
		MSPY7020	PHY604-75j00	物性物理 A	2	Other Division	○			
		MSPY7030	PHY605-75j00	物性物理 B	2	Other Division	○			
		MSPY7040	PHY607-75j00	量子多体問題	2	Other Division	○			
		MSPY7055	PHY608-75j00	デバイスの物理	2	Other Division	○			
		MSPY7060	PHY609-75j00	低温物性	2	Other Division	○			
		MSPY7085	PHY610-75j00	理論物理特論	2	Other Division	○			
		MSPY7100	PHY611-75j00	実験物理特論 A	2	Other Division	○			
		MSPY7110	PHY612-75j00	実験物理特論 B	2	Other Division	○			
		MSPY7125	PHY613-75j00	原子分子分光特論	2	Other Division	○			
		MSPY7135	PHY614-75j00	原子衝突物理特論	2	Other Division	○			
		MSPY7140	PHY615-75j00	物理汎論 A	2	Other Division	○			
		MSPY7150	PHY616-75j00	物理汎論 B	2	Other Division	○			
		MSPY7165	PHY617-75j00	相転移の物理	2	Other Division	○			
		MSPY7180	PHY619-75j00	物理汎論 C	2	Other Division	○			
		MSPY7035	PHY606-75j00	物性物理 C	2	Other Division	○			
		MSPY7190	PHY620-75j00	原子過程科学	2	Other Division	○			
		MSBS7020	BIO505-75j00	生体運動特論	2	Other Division	○			
		MSBS7050	BIO507-75j00	細胞内情報伝達論	2	Other Division	○			

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		MSBS7070	BIO508-75j00	脳生理学特論	2	Other Division	○			
		MSBS7090	BIO509-75j00	神経発生学特論	2	Other Division	○			
		MSBS7110	BIO510-75j00	発生生物学特論	2	Other Division	○			
		MSBS7120	BIO511-75j00	バイオインフォマティクス	2	Other Division	○			
		MSBS7130	BIO512-75j00	ゲノム細胞生物学	2	Other Division	○			
		MSBS7160	BIO513-75j00	環境分子生物学特論	2	Other Division	○			
		MSBS7620	BIO520-75j00	植物機能科学特論	2	Other Division	○			
		MSBS7630	BIO521-75j00	生物物理特論	2	Other Division	○			
		MSBS7190	BIO514-75j00	分子進化学特論	2	Other Division	○			
		MSBS7200	BIO515-75j00	細胞神経科学特論	2	Other Division	○			
		MSBS7210	BIO516-75j00	創薬インフォマティクス	2	Other Division	○			
		MSBS7225	BIO517-75j00	微生物生態学特論	2	Other Division	○			
		MSBS7250	BIO519-75j00	海洋生物学特論	2	Other Division	○			
		MSBS7240	BIO518-75j00	植物分子応答学特論	2	Other Division	○			
		MSIS7010	INF508-75j00	システム工学特論	2	Other Division	○			
		MSIS7020	INF509-75j00	シミュレーション工学特論	2	Other Division	○			
		MSIS7270	INF523-75j00	経営情報分析特論	2	Other Division	○			
		MSIS7050	INF510-75j00	ソフトウェア特論	2	Other Division	○			
		MSIS7060	INF511-75j00	教育情報工学特論	2	Other Division	○			
		MSIS7260	INF522-75j00	人工知能特論	2	Other Division	○			
		MSIS7080	INF512-75j00	音声・音響・聴覚情報処理	2	Other Division	○			
		MSIS7110	INF513-75j00	医用画像工学	2	Other Division	○			
		MSIS7120	INF514-75j00	センシングシステム工学	2	Other Division	○			
		MSIS7170	INF516-75j00	データサイエンス特論	2	Other Division	○			
		MSIS7210	INF519-75j00	数理最適化特論	2	Other Division	○			
		MSIS7220	INF520-75j00	情報ネットワーク特論	2	Other Division	○			
		MSIS7230	INF521-75j00	コンピュータグラフィックスとバーチャル・リアリティ	2	Other Division	○			
		MSIS7910	INF524-75j00	情報理論特論	2	Other Division	○			
		MSIS7970	INF525-75j00	情報科学特論	2	Other Division	○			
		MSIS7190	INF517-75j00	脳ネットワーク解析特論	2	Other Division	○			
		MSIS7200	INF518-75j00	マシンインテリジェンス	2	Other Division	○			
		MSIS7280	INF515-75j00	視覚メディア処理特論	2	Other Division	○			
		MSMT7170	MTH507-75j00	代数学特論 A	2	Other Division	○			
		MSMT7180	MTH508-75j00	代数学特論 B	2	Other Division	○			
		MSMT7210	MTH509-75j00	幾何学特論 A	2	Other Division	○			
		MSMT7200	MTH510-75j00	幾何学特論 B	2	Other Division	○			
		MSMT7210	MTH511-75j00	解析学特論 A	2	Other Division	○			
		MSMT7220	MTH512-75j00	解析学特論 B	2	Other Division	○			

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		MSMT7230	MTH513-75j00	ゼータ関数論	1	Other Division	○			
		MSMT7240	MTH514-75j00	自然科学における数理モデル	1	Other Division	○			
		MSMT7250	MTH515-75j00	代数曲線論	1	Other Division	○			
		MSMT7260	MTH516-75j00	結び目理論	1	Other Division	○			
		MSMT7270	MTH517-75j00	構成的ガロア理論	1	Other Division	○			
		MSMT7280	MTH518-75j00	有限群の表現論	1	Other Division	○			
		MSMT7290	MTH519-75j00	数理解析特論	1	Other Division	○			
		MSMT7300	MTH520-75j00	量子群入門	1	Other Division	○			
		MSMT7310	MTH521-75j00	保型形式入門	1	Other Division	○			
		MSMT7320	MTH522-75e00	LECTURE ON ARITHMETIC GEOMETRY	1	Other Division	○			
		MSPY7200	PHY618-75j00	レーザー物理・非線形光学	2	Other Division	○			
		MSGR7240	GSE5**-75e00	INTRODUCTION TO SUBATOMIC PHYSICS	2	Other Division	○	○	○	

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Graduate School of Science and Technology, Doctoral Program in Green Science and Engineering Division	Compulsory	DSCT396E	SCT811-75e00	DR. DISSERTATION TUTORIAL AND EXERCISE 3A	1			○	○	○
		DSCT397E	SCT812-75e00	DR. DISSERTATION TUTORIAL AND EXERCISE 3B	1			○	○	○
		DSCT496E	SCT813-75e00	DR. DISSERTATION TUTORIAL AND EXERCISE 4A	1			○	○	○
		DSCT497E	SCT814-75e00	DR. DISSERTATION TUTORIAL AND EXERCISE 4B	1			○	○	○
		DSCT596E	SCT815-75e00	DR. DISSERTATION TUTORIAL AND EXERCISE 5A	1			○	○	○
		DSCT597E	SCT816-75e00	DR. DISSERTATION TUTORIAL AND EXERCISE 5B	1			○	○	○
		DSCT900E	SCT817-75e00	DR. THESIS GUIDANCE	0			○	○	○
				PH.D. DISSERTATION				○	○	○