

理工情報生命学術院 数理物質科学研究群
国際マテリアルズイノベーション学位プログラム〔博士前期課程〕の修了要件に係る
所要科目及び必要単位数等(令和2年度入学者適用)

学位プログラムの教育に必要とする内容					
		科目区分	科目群	単位	
必修	基礎的な内容	基礎科目	数理物質科学研究群共通	「数理物質科学コロキウム」	1
		専門基礎科目	国際マテリアルズイノベーション学位プログラム共通	本学位プログラムの専門基礎科目	4
	専門的な内容	専門科目	国際マテリアルズイノベーション学位プログラム共通	<ul style="list-style-type: none"> •Research in MI I A •Research in MI I B •Research in MI II A •Research in MI II B •Open Seminar I A •Open Seminar I B •Open Seminar II A •Open Seminar II B 	16
自由	その他 基礎的または専門的な内容	科目区分・科目群は問わない。		<p>上記で修得した以外の国際マテリアルズイノベーション学位プログラムの科目 上記で修得した以外の数理物質科学研究群共通科目群の科目 本研究群の他学位プログラムの科目(要指導教員承認) 理工情報生命学術院共通専門基盤科目 他研究群の科目(要指導教員承認) 他学術院共通専門基盤科目(要指導教員承認) 大学院共通科目(要指導教員及び学務委員承認)</p> <p>以上の合計</p>	9
合計単位数				30	

<p>社会人特別選抜入学者(14条特例適用者)に係る履修上の注意</p> <p>大学院の課程においては、教育上特別の必要があると認められる場合には、夜間その他特定の時間又は時期において授業又は研究指導を行う等の適当な方法により教育を行うことができる。(大学院設置基準第14条)</p>	<p>・「数理物質科学コロキウム」の単位は、指導教員が必要と認めた場合、本学位プログラムの社会人対象科目の単位に置き換えることができる。</p>
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<p>数理物質科学コロキウムに係る履修上の注意</p>	<p>・「数理物質科学コロキウム」の単位は、指導教員が必要と認めた場合、数理物質科学研究群共通科目群の「Science in Japan I」の単位に置き換えることができる。</p>
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<p>修了要件</p> <p>博士前期課程の修了要件は、大学院学則第41条第1項及び第2項に定めるところによるものとし、学位プログラム・サブプログラムごとの所要科目を必要な単位数以上履修しなければならない。</p>	<p>・本学位プログラムの定める基準に基づき合計30単位以上を修得し、修士論文の審査及び最終試験に合格すること</p>
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(注)

1. 本表に掲げる単位数は、修了に必要な最小の数値を示す。
2. 原則として、同一授業科目名の単位を重複して修得することはできない。

Required subjects and number of credits, etc., required for the completion of the Master's Program in Materials Innovation

Content required for the completion of subprogram				
		Category and Subject Group		Credit
Core	Basic content	Basic Subjects	Colloquium on Pure and Applied Sciences	1
		Specialized Basic Subjects	Specialized Basic Subjects for Materials Innovation	4
	Advanced content	Advanced Common Subjects for Materials Innovation	Research in MI IA Research in MI IB Research in MI IIA Research in MI IIB Open Seminar IA Open Seminar IB Open Seminar IIA Open Seminar IIB	16
Elective	Other basic or advanced content		- Except above subjects for Materials Innovation - Except above Common Subjects for Pure and Applied Sciences - Same research group Subjects (Need approval from Supervisor) - Interdisciplinary Foundation Courses for Graduate School of Science and Technology - Other reserch group's Subjects (Need approval from Supervisor) - Interdisciplinary Foundation Courses for Other Graduate School (Need approval from Supervisor) - Graduate General Education Course (Need approval from Supervisor and Member of the Academic Committee)	9
Total number of credits				30

<p>Precautions suggested for students who have qualified under the special selection system for working people (these are students who are granted a special exception under Article 14)</p> <p>The education of vital postgraduate subjects can be carried out in a proper manner by employing such measures as conducting classes or research instructions at night or other specially-arranged times or periods (Article 14 of the postgraduate college installation standard).</p>	<p>Credits for Colloquium on Pure and Applied Sciences can be replaced if supervisor accepts its necessity</p>
<p>Precautions suggested for early graduates while choosing courses (including the early completion program)</p> <p>One year or more spent enrolled at a postgraduate college is sufficient for students who show excellent academic results (The provision in Article 16 of the postgraduate college installation standard is applied in such cases).</p>	<p>- A student who is accepted as having showed excellent academic results can complete his/her school term by receiving the certification following the predefined procedure even if the actual number of school days covered by the student is less than two years.</p> <p>On the completion of the first year, taking following classes early is acceptable:the 「Research in MI IIA」, 「Research in MI IIB」, 「Open Seminar IIA」, 「Open Seminar IIB」 (2nd year target), is acceptable.</p>
<p>Caution related to Colloquium on Pure and Applied Sciences</p>	<p>Credits for Colloquium on Pure and Applied Sciences can be replaced with those for 「Science in Japan I」 if supervisor accepts.</p>
<p>Completion requirement</p> <p>The completion requirements of the master course are defined in sections 1 and 2 of Article 41 of the postgraduate college code; the subjects for each program of this graduate course should be chosen such that the combination exceeds the necessary number of credits.</p>	<p>Earn/Complete the predefined 30 credits based on the standard decided by this subprogram and pass the review of the doctoral thesis and the final examination.</p>

(Remarks)

1. The number of credits shown in this table shows the minimum value required for the completion of the course.
2. As a general rule, it is not possible to earn credits of the same subject twice.