

4 情報科学研究科履修要件等

修了要件

博士前期課程

修了要件一覧 [平成28年度入学者用]

授業科目の区分	設置 単位数	必要修得単位数	
		研究論文の場合	課題研究の場合
基礎科目	17	6	6
一般科目	30		
専門科目	83	14 ^{※1}	14 ^{※1}
ゼミナールⅠ	1	1	1
ゼミナールⅡ	1	1	1
研究室特論Ⅰ ^{※2}	21	1	1
研究室特論Ⅱ ^{※2}	21	1	1
研究室特論Ⅲ ^{※2}	21	1	1
研究室特論Ⅳ ^{※2}	21	1	1
研究論文	4	4	0
課題研究	4	0	4
合計		30	

※1 ただし、講義科目8単位以上、演習科目2単位以上をそれぞれ含むこと。

※2 配属研究室の特論に限る。

博士後期課程

学則第42条及び学位規程に関連

1. 博士後期課程の修了要件

博士後期課程を修了して、博士の学位を取得しようとする者は、定められた授業科目の必要な単位を修得し、必要な研究指導を受けた上、博士論文を提出して、その内容を公聴会で発表し、論文審査及び最終試験に合格しなければならない。なお、必要と認めるときは、上記授業科目に加えて、所要の授業科目の単位の修得を課すことがある。なお、博士後期課程に入学してから1年6か月後に、副指導教員の出席のもとで、研究の中間報告をする。

2. 博士論文を提出するときの目安は概ね次のとおりである。

- (a) 博士論文の研究内容に、独創性、新規性あるいは有効性があること。
- (b) 博士論文の主題に相当する内容が、査読付きの論文 (full paper) あるいは査読付きの国際会議での発表論文 (full paperに準ずるもの) として、発表されているか又は近々発表予定であること。

3. 博士の学位を授与する条件

論文審査により、博士論文を提出した者が、独立した研究者又は技術者として、研究・開発活動を続けていく十分な素養を備えていると判断できること。

修了要件一覧 [平成28年度入学者用]

授業科目の種類	設置単位数	必要修得単位数
国際化科目Ⅰ(A、B)	2	2
国際化科目Ⅱ(A、B、C)	6	
先進学際領域特論Ⅰ、Ⅱ	2	
先進情報科学特別講義(Ⅰ～Ⅳ)	4	
先進情報科学考究	2	
先進ゼミナール	2	2
博士学位論文研究(Ⅰ～Ⅵ)	18	6
合計		10

(注) 出願資格審査により修士の学位を有する者と同等以上の学力があると認められ、情報科学研究科博士後期課程に入学した者については、別に修了要件を課す場合がある(次頁を参照すること)。

修士の学位を有する者と同等以上の学力があると認められた者が
情報科学研究科の博士後期課程に入学した場合の修了要件

学則第42条第3項及び情報科学研究科履修規程第4条第2項に関連し、修士の学位を有する者と同等以上の学力があると認められた者が、博士後期課程に入学した場合の履修要件（授業科目、単位数及び履修方法等）については、前頁の博士後期課程の修了要件に加え、次のとおり定める。

区 分		履 修 要 件
大学（外国の大学を含む）を卒業した者	情報系学科 卒業者	前頁の修了要件以外の単位の修得は課さない。
	情報系学科以 外の卒業者	前頁の修了要件に加え、原則として、情報科学研究科教育課程表(博士前期課程)に定める授業科目のうち、一般科目を除く授業科目から6単位以上を修得すること。 ただし、ゼミナールⅠ、Ⅱ、研究論文、課題研究、博士後期課程修了要件の科目(先進情報科学特別講義等)を除く。
大学（外国の大学を含む）を卒業していない者		前頁の修了要件に加え、原則として、情報科学研究科教育課程表(博士前期課程)に定める授業科目のうち、一般科目を除く授業科目から10単位以上を修得すること。 ただし、ゼミナールⅠ、Ⅱ、研究論文、課題研究、博士後期課程修了要件の科目(先進情報科学特別講義等)を除く。

(注) 前頁の修了要件に加え、上表の履修要件により、単位の修得の必要な者については、情報科学研究科教授会に諮り決定する。

4. Completion requirements for the Graduate School of Information Science

Completion requirements

Master's Course

Completion requirements (for students admitted in academic year 2016)

Subject category	Number of credits to be earned	Number of credits to be earned in the Graduate School of Information Science	
		In the case of research thesis	In the case of thematic research
Basic Subjects	17	6	6
General Subjects	30		
Specialized Subjects in Information Science	83	14* ¹	14* ¹
Seminar I	1	1	1
Seminar II	1	1	1
Advanced Topics in Information Science I * ²	21	1	1
Advanced Topics in Information Science II * ²	21	1	1
Advanced Topics in Information Science III * ²	21	1	1
Advanced Topics in Information Science IV * ²	21	1	1
Research Work	4	4	0
Theme Research	4	0	4
Total		30	

* 1 Students should take 8 credits or more from lectures and 2 credits or more from practices out of 14 credits.

* 2 Students should take Advanced Topics in Information Science provided by the laboratories that they belong to.

Doctoral Course

In connection with Article 42 of the Regulations of the Nara Institute of Science and Technology and the Rules on Academic Degrees

1. Completion requirements for the Doctoral Course

Individuals who wish to complete the Doctoral Course and obtain a doctoral degree are required to earn necessary credits in specified courses, receive necessary Research Guidance, submit a doctoral thesis, deliver a presentation at a hearing, and pass the doctoral thesis examination and final examination. If deemed necessary, individuals may be required to earn credits in specified courses in addition to the above courses. Individuals are also required to give an interim report concerning research in the presence of their sub-research advisors 18 months after being admitted to the Doctoral Course.

2. A doctoral thesis should fulfill the requirements below.

(a) The content of research should be characterized by originality, novelty, or availability.

(b) The content that corresponds to the theme of the doctoral thesis has been published or will be published in the near future in the form of a paper subject to screening (a full paper) or a paper presented at an international conference and subject to screening (a paper equivalent to a full paper).

3. Conditions to award a doctoral degree

A doctoral degree is awarded to individuals who are recognized to be fully capable of continuing research and development activities as independent researchers or engineers based on the doctoral thesis submitted to the thesis examination.

Completion requirements (for individuals admitted in academic year 2016)

Course	Number of credits earned	Number of credits required to be earned in the Departments of Information Processing, Information Systems, and Bioinformatics and Genomics
International Communications I (A, B)	2	2
International Practice II (A, B, C)	6	
Advanced Interdisciplinary Domain I, II	2	
Advanced Cutting-edge Research Seminar (I–IV)	4	
Advanced Project Management	2	
Research Status Hearing	2	2
Doctoral Research (I–VI)	18	6
Total		10

Note: Individuals who are admitted to the Doctoral Course of the Graduate School of Information Science after having been recognized as having academic ability equivalent to or greater than that of a Master's Degree holder, through the qualification screening in the application process, may be required to fulfill additional completion requirements (refer to the next page).

Completion requirements for students who are admitted to the Doctoral Course of the Graduate School of Information Science after having been recognized as having academic ability equivalent to or greater than that of a Master's Degree holder

In connection with Article 42-3 of the Regulations of the Nara Institute of Science and Technology and Article 4-2 of the Completion Rules for the Graduate School of Information Science, the completion requirements applicable to students admitted to the Doctoral Course after having been recognized as having academic ability equivalent to or greater than that of a Master's Degree holder (courses, credits, and registration procedures) shall be as stated below, in addition to the completion requirements in the Doctoral Course (refer to the previous page).

Category		Completion requirements
Individuals who have graduated from universities (including foreign universities)	Individuals who have graduated from information-related departments	Individuals are not required to earn credits other than the completion requirements on the previous page.
	Individuals who have graduated from departments other than information-related departments	In principle, individuals are required to earn six credits or more in courses set forth on the curriculum table of the Graduate School of Information Science (the Master's Course), except for general subjects, in addition to completion requirements on the previous page. However, this excludes Seminars I and II, thesis writing, thematic research, and subjects covered by completion requirements of the Doctoral Course (such as Advanced Cutting-edge Research Seminar, etc.).
Individuals who have not graduated from universities (including foreign universities)		In principle, individuals are required to earn 10 credits or more in courses set forth on the curriculum table of the Graduate School of Information Science (the Master's Course), except for general subjects, in addition to completion requirements on the previous page. However, this excludes Seminars I and II, thesis writing, thematic research, and subjects covered by completion requirements of the Doctoral Course (such as Advanced Cutting-edge Research Seminar, etc.).

Note: The Faculty Council of the Graduate School of Information Science is responsible for identifying individuals who are required to earn credits to fulfill completion requirements in the table above, in addition to those on the previous page.