# 2. Academic and Research Procedures in Information Systems Science Major

## 2.1. Research Guided Schedule (Information Systems Science Major)

### 2.1.1 Master's Program

In the first and second years, students take elective courses in the three fields of "Mathematical Informatics System," "Information Processing Systems," and "Communication and Control System," as well as elective common courses. In each semester, students also have to take required research guidance courses of "Advanced Seminar" and "Advanced Research" to deepen their research step by step under the guidance of their academic advisors and to prepare their thesis. The coursework and research procedures are explained at the orientation at the time of enrollment.

At the end of the first year, students are required to submit a "research proposal" and make a presentation, and students will receive advising from faculty members other than their supervisors, as well as discussions among graduate students to support their independent research activities. The Master's thesis is reviewed by a main supervisor and two sub-supervisors.

*Schedule for students enrolled in September will slide for half a year.

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| First Year | Apr | · Receive course and research guidance during Orientation, discuss research guided plan with advisor.<br>· Course registration under supervision of advisor. |
| | Apr–Jul | · Course Registration for elective courses.<br>· Course registration for research guided course of "Advanced Seminar 1" and Advanced Research 1." |
| | Sep | · Course registration under supervision of advisor. |
| | Sep–Jan | · Course Registration for elective courses.<br>· Course registration for research guided course of "Advanced Seminar 2" and Advanced Research 2." |
| | Feb | · Submit Research Proposal with the permission by advisor, report research progress and future action, and receive advice from advisor and faculty members. |
| Second Year | Apr | · Course registration under supervision of advisor. |
| | Apr–Jul | · Course Registration for elective courses.<br>· Course registration for research guided course of "Advanced Seminar 3" and Advanced Research 3." |
| | Sep | · Course registration under supervision of advisor. |
| | Sep–Jan | · Course Registration for elective courses.<br>· Course registration for research guided course of "Advanced Seminar 4" and Advanced Research 4." |
| | Dec | · Appoint the examiner committee for thesis evaluation.<br>· Meeting with examiners for questions and receive appropriate advice. |
| | Jan | · Master's Thesis submission.<br>· Conduct a thesis evaluation and final oral examination. |
| | Mar | · Degree conferral. |

## 2.1.2. Doctoral Program

In each semester from the first to the third year, students take the required research guidance courses of "Special Seminar on Information Systems" and "Special Research on Information Systems" to deepen their research step by step under the guidance of their supervisors and prepare their dissertations. The coursework and research procedures will be explained at the orientation at the time of enrollment. The main instruction until the completion of the dissertation will be provided by the supervisor.

A preliminary review is conducted for the dissertation review, and the main examiner and two or more associate examiners will review the dissertation to determine whether it is acceptable to proceed to the full review or not. In addition, as part of the preliminary examination, a doctoral dissertation presentation will be held and advice will be provided by faculty members other than the main and associate advisors. The final examination of the doctoral dissertation will be conducted by the main examiner's supervisor and two or more secondary examiners.

*Schedule for students enrolled in September will slide for half a year.

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| First Year | Apr | ・ Receive course and research guidance during Orientation, discuss research guided plan with advisor.<br>・ Course registration under supervision of advisor. |
| | Apr–Jul | ・ Course Registration for Research guided courses; "Advanced Seminar 5" and "Advanced Research 5." |
| | Sep | ・ Course registration under supervision of advisor. |
| | Sep–Jan | ・ Course Registration for Research guided courses; "Advanced Seminar 6" and "Advanced Research 6." |
| Second Year | Apr | ・ Course registration under supervision of advisor. |
| | Apr–Jul | ・ Course Registration for Research guided courses; "Advanced Seminar 7" and "Advanced Research 7." |
| | Sep | ・ Course registration under supervision of advisor. |
| | Sep–Jan | ・ Course Registration for Research guided courses; "Advanced Seminar 8" and "Advanced Research 8." |
| Third Year | Apr | ・ Course registration under supervision of advisor. |
| | Apr–Jul | ・ Course Registration for Research guided courses; "Advanced Seminar 9" and "Advanced Research 9." |
| | Sep | ・ Course registration under supervision of advisor.<br>・ Submission for preliminary review of dissertation. |
| | Sep–Jan | ・ Course Registration for Research guided courses; "Advanced Seminar 10" and "Advanced Research 10." |
| | Oct–Nov | ・ Dissertation acceptance by the Graduate School Committee, evaluation by Preliminary review committee to decide on whether to proceed with a full review. |
| | Jan | ・ Submission of a dissertation. |
| | Jan–Feb | ・ Dissertation acceptance by the Graduate School Committee. The Review Committee conducts an evaluation and final examination for the dissertation. |
| | Mar | ・ Degree conferral. |