

5. 博士課程

Academic Year 2026-2029

3 [Doctoral Program] Science, Technology and Innovation Policy

I. Graduation Requirements

Students must have

- 1) been enrolled for at least 3 years;
- 2) completed a minimum of 14 credits (not including Category X course credits), 4 of which must come from Category I, 6 of which must come from Category II, and 4 of which must come from Category III;
- 3) received the necessary research guidance; and
- 4) passed the Qualifying Examination (QE), successfully defended their doctoral dissertations, and passed the final examination.

* Courses offered in the Program are subject to change.

* If a student takes the same course in both English and Japanese, only one course will count toward the degree.

* Students are expected to take QE after earning at least 2 credits from Category I, at least 6 credits from Category II and 2 credits from Category III (total 10 credits).

If students neither have completed a master degree program relating to the science, technology and innovation policy nor have sufficient knowledge in this field, it is strongly recommended in this program that they acquire approximately 16 credits before taking QE and total 20 credits until their completion.

* In addition to the above, students can take "科学技術社会論概説", "地域サステナビリティ" and "東アジア地域の科学技術イノベーション政策" which are the courses offered by Kyushu University, as courses required for completion (Category II Recommended Courses), following prescribed procedures. The names of courses offered at Kyushu University are subject to change.

Category	Note	Course No.	Course Name	Instructor	Term	Credit	Requirement	
I Required Courses		ST1801E	Research Seminar I	SUMIKURA Koichi, et al.	Fall through Winter/Spring through Summer	1	4	
		ST1802E	Research Seminar II	SUMIKURA Koichi, et al.	Fall through Winter/Spring through Summer	1		
		ST1803E	Research Seminar III	SUMIKURA Koichi, et al.	Fall through Winter/Spring through Summer	1		
		ST1804E	Research Seminar IV	SUMIKURA Koichi, et al.	Fall through Winter/Spring through Summer	1		
II Recommended Courses		DMP8850E	International Policies on Water and Disasters	HIROKI Kenzo	Fall	2	6	
		DSC601EA	Introduction to Data Science (Advanced)	TAKENOUCI Takashi	Fall(Session)	2		
		DSC602J	データサイエンス基礎	TAKENOUCI Takashi	Spring	2		
		DSC603E	Python for Data Science (Advanced)	STACHURSKI John	Winter	2		
		DSC603J	Python演習	KAKIHARA Satoshi	Spring(Session)	1		
		DSC700E	Quantitative Data Analysis	MOROHOSI Hozumi, TAKENOUCI Takashi	Fall	2		
		ECO721EA	Introduction to Applied Econometrics (Advanced)	WIE Damm	Fall	2		
		ECO788E	Trade and Industrial Development	SONOBE Tetsushi	Spring	2		
		ECO853E	Resource and Energy Economics (Advanced)	TANAKA Makoto	Winter	2		
		ECO884EA	Development Economics (Advanced)	MAKINO Momoe	Spring	2		
		GEN5080J	サイバーセキュリティ	ETO Masashi	Fall	2		
		GEN5090J	AI政策実践論	MIYAMOTO Daisuke	Fall(Session)	1		
		GOV720EB	Advanced International Relations	BRUMMER Matthew	Fall	2		
		PAD600J	気候変動と地域社会	TAKAHASHI Kazuaki	Spring	2		
		ST1600E	Economics of Innovation	INTARAKUMNERD Patarapong	Not Offered in Fall(2026)	2		
		ST1601J	科学技術政策過程論	SUNAMI Atsushi	Biyearly Winter in Even-numbered Years	2		
		ST1606J	科学技術イノベーション政策概論	HAYASHI Takayuki, SUMIKURA Koichi, SUZUKI Jun, IZUKA Michiko, TAKAHASHI Kazuaki, SUNAMI Atsushi, ARIMOTO Tateshi, et al.	Spring(Session)	2		
		ST1607J	イノベーション創出のエコシステム	SUMIKURA Koichi, HAYASHI Takayuki, IZUKA Michiko	Spring(Session)	2		
		ST1608J	科学技術イノベーション政策立案演習	HAYASHI Takayuki, OKAMURA Asako, KAMEI Zentaro	Summer	2		
		ST1609E	Politics of Innovation	BRUMMER Matthew	Biyearly Spring in Odd-numbered Years	2		
		ST1610J	イノベーションと経済学	SUZUKI Jun	Spring(Session)	2		
		ST1611J	科学技術イノベーション政策のためのミクロ経済学	NAGANE Hiroshi	Fall(Session)	2		
		ST1612J	戦略マネジメントとイノベーション	HIROSE Ayano	Fall	2		
		ST1703E	Bibliometrics and Applications	HAYASHI Takayuki	Biyearly Spring in Even-numbered Years	2		
		ST1703J	ビブリオメトリクスとその応用	HAYASHI Takayuki	Biyearly Spring in Odd-numbered Years	2		
		ST1706E	Open Innovation and University-Industry Cooperation	SUMIKURA Koichi	Biyearly Spring in Odd-numbered Years	2		
		ST1706J	オープンイノベーションと産学連携	SUMIKURA Koichi	Fall	2		
		ST1707J	科学技術外交論	HIROKI Kenzo, SUNAMI Atsushi	Fall(Session)	2		
		ST1708E	Comparative Analysis of Science, Technology and Innovation Policy: Asian Experiences	INTARAKUMNERD Patarapong	Not Offered in Fall(2026)	2		
		ST1716E	Outline of Energy Policy	TBA	Fall(Session)	2		
		ST1717E	Energy and Environmental Science&Technology	TAKAHASHI Kazuaki, SHIBATA Yoshiaki	Spring	2		
		ST1718E	Advanced Energy Policy	TAKAHASHI Kazuaki, SAKAMOTO Toshiyuki	Not Offered in Spring(Session)(2026)	2		
		ST1719E	Roles of Intellectual Property Rights in Globalized World	SUMIKURA Koichi, ESCOFFIER Luca	Biyearly Spring in Even-numbered Years	2		
		ST1720J	科学技術とアントレプレナーシップ	SUMIKURA Koichi, MAKI Kanetaka	Spring	2		
		ST1721E	Science, Technology and Innovation Policy in Developing Country Context	IZUKA Michiko	Fall	2		
		ST1722J	科学技術イノベーション政策と評価	HAYASHI Takayuki	Fall	2		
		ST1723E	Energy Data Analysis	TBA	Fall(Session)	2		
		ST1724E	History of Japanese Science, Technology and Innovation Policy	ARIMOTO Tateshi, AKAIKE Shinichi	Fall	2		
		ST1726J	科学技術行政システムと指標	HAYASHI Takayuki, IZUKA Michiko, IJCHI Tomohito	Spring(Session)	2		
		ST1727J	特許・知財制度と知財マネジメント I	SUMIKURA Koichi	Spring	2		
		ST1728J	特許・知財制度と知財マネジメント II	SUMIKURA Koichi	Fall	2		
		ST1729J	デジタルトランスフォーメーション政策	IZUKA Michiko, ETO Masashi	Summer	2		
	ST1809J	科学技術イノベーション政策と現代的課題	UEYAMA Takahiro	Fall(Session)	2			
	ST1805E	Energy Security	NEI Hisanori, KUTANI Ichiro	Spring	2			
	ST1807E	Research Seminar V	SUMIKURA Koichi, et al.	Fall through Winter/Spring through Summer	1			
	ST1808E	Research Seminar VI	SUMIKURA Koichi, et al.	Fall through Winter/Spring through Summer	1			
	ST1810J	科学技術イノベーション政策特論 I / Advanced Studies on STI Policy I	TBA	TBA	2			
	ST1811J	科学技術イノベーション政策特論 II / Advanced Studies on STI Policy II	TBA	TBA	2			
	ST1812J	科学技術イノベーション政策特論 III / Advanced Studies on STI Policy III	TBA	TBA	2			
	ST1813J	科学技術イノベーション政策特論 IV / Advanced Studies on STI Policy IV	TBA	TBA	2			
	ST1814J	科学技術イノベーション政策特論 V / Advanced Studies on STI Policy V	TBA	TBA	1			
	ST1815J	科学技術イノベーション政策特論 VI / Advanced Studies on STI Policy VI	TBA	TBA	1			
	ST1816J	科学技術イノベーション政策特論 VII / Advanced Studies on STI Policy VII	TBA	TBA	1			
	ST1817J	科学技術イノベーション政策特論 VIII / Advanced Studies on STI Policy VIII	TBA	TBA	1			
	ST1820E	Advanced Topics I	TBA	TBA	1			
III Elective Courses	—	Courses not listed in this table (with Program Director's approval)						
X Others	—	Courses offered by the Center for Professional Communication						Credits earned in these courses cannot count toward the degree.
	—	Courses not included in graduation requirements						