

6-2. Certificate in Data Science for Policy Studies

Overview

To encourage GRIPS students to take data science-related courses, in October 2021 GRIPS established a Certificate System in Data Science (DS) for Policy Studies. Under the certificate system, students who fulfill both of the following requirements and procedures will be awarded a DS certificate.

DS Certificate Requirements

1. Must have earned at least 10 credits from Data Science's list of eligible credits towards certification.
2. Of the credits in 1. above, at least two credits must be for Core/Basic courses.

How to Apply

Students must complete an online application form at least two months before their expected graduation month via the following link.

Restricted access: GRIPS account login required.

<https://forms.office.com/r/1RdrkvDrkC>

Expected graduation month	Application deadline
March	End of January
June	End of April
September	End of July
Other month	At least two months before that month

Cautionary Points

1. Be sure to apply online before the deadline

Those who wish to obtain a DS certificate must apply online by the relevant deadline.

2. If you have completed both English and Japanese versions of a data science courses

Students who have completed both Japanese and English based courses whose content is the same (e.g., データサイエンス基礎 Data Saiensu Kiso and Introduction to Data Science I have the same content), the credits for both can be used toward meeting the certificate requirements.

Note: only one of the two courses may count toward a degree and be used for GPA calculation. See Data Science's *Course Correspondence Table*.

データサイエンス関連科目 DS's list of eligible credits towards certification

科目番号 Course No.	基幹的・基礎的 Core/Basic	科目名 Course Name	単位数 Credit
ECO2700J	○	計量経済学	2
ECO2710J		費用便益分析	2
ECO2720EA	○	Introduction to Applied Econometrics	2
ECO2720EB	○	Introduction to Applied Econometrics	2
ECO2760E		Applied Time Series Analysis for Macroeconomics	2
ECO2770E		Applied Econometrics	2
ECO2780E		Applied Econometrics Practice	2
ECO2790E	○	Data Science for Public Policy	2
ECO3000E		Mathematics for Economic Analysis	2
ECO3330J		都市政策の空間分析	2
ECO3490E		International Economic Policy Analysis	2
ECO3700J		計量経済学の応用と実践	2
ECO3750J		経済シミュレーション分析	2
ECO3760J		費用便益分析の応用と実践	2
ECO3710E		Time Series Analysis	2
ECO3720E		Cost Benefit Analysis I	2
ECO3740E		Economic Modeling for Policy Simulations	2
ECO3890E		Development Econometrics	2
ECO6700E		Advanced Econometrics I	2
ECO6710E		Advanced Econometrics II	2
ECO6720E		Advanced Econometrics III	2
ECO6730E		Advanced Econometrics IV	2
ECO6770E		Computer Programming for Economics	2
ECO7721EA		Introduction to Applied Econometrics (Advanced)	2
ECO7721EB		Introduction to Applied Econometrics (Advanced)	2
ECO7771E		Applied Econometrics (Advanced)	2
GOV6930J		社会科学方法論＝量的分析 (Social Science Methodology for Quantitative Analysis)	2
MOR1000E		Introduction to Quantitative Methods	2
MOR1030J	○	データサイエンス基礎	2
MOR1050EA	○	Introduction to Data Science I	2
MOR1050EB	○	Introduction to Data Science I	2
MOR1100J	○	政策科学のためのデータサイエンスと情報数理 I	2
MOR2000J		計画と評価の数理	2
MOR2020J	○	実践データサイエンス	2
MOR2050E	○	Introduction to Data Science II	2
MOR2100J	○	政策科学のためのデータサイエンスと情報数理 II	2
MOR2500E		Quantitative Social Systems Analysis	2
MOR3010J		数理モデル分析演習	2
MOR3050E		Practice STATA	1
MOR3060E		Practice R	1
MOR6300E/J		Mathematical Modeling Analysis / 数理モデル分析	2
MOR7011E		Quantitative Data Analysis	2
STI2030E		Bibliometrics and Applications	2
STI2030J		ビブリオメトリクスとその応用	2
STI2230E		Energy Data Analysis	2
STI2250J		計量分析演習	2
STI7031E		Bibliometrics and Applications	2
STI7031J		ビブリオメトリクスとその応用	2
STI7231E		Energy Data Analysis	2
STI7251J		計量分析演習	2

※開講学期や担当教員は最新の時間割等を参照すること。不開講の場合もある。

Please check latest timetable for term and instructor changes. Some courses may not be offered.

6. Special Learning Opportunities

下記科目は過去に開講され、現在は開講されていないが、開講時に修得していれば、認定証の必要修得単位に含まれる。

The following courses were offered in the past and are no longer available, but if completed while they were offered, they will count towards certification.

科目番号 Course No.	基幹的・基礎的 Core/Basic	科目名 Course Name	単位数 Credit
MOR1030E	○	Introduction to Data Science	2
MOR2020E	○	Data Science in Practice	2
*	○	Selected Topics in Policy Studies (Data Science for Public Policy)	2
ECO2700JB		計量経済学	2
UPP3280J		事業評価手法	2
		Selected Topics in Policy Studies(Practice STATA)	1
		Selected Topics in Policy Studies(Practice R)	1
		Selected Topics in Policy Studies (International Economic Policy Analysis)	2

科目対応表 Course Correspondence Table

英語科目 English

日本語科目 Japanese

科目番号 Course No.	科目名 Course Name	単位数 Credit	科目番号 Course No.	科目名 Course Name	単位数 Credit
ECO3720E	Cost Benefit Analysis I	2	ECO2710J	費用便益分析	2
ECO3740E	Economic Modeling for Policy Simulations	2	ECO3750J	経済シミュレーション分析	2
MOR1000E	Introduction to Quantitative Methods	2	MOR2000J	計画と評価の数理	2
MOR1030E	Introduction to Data Science	2	MOR1030J	データサイエンス基礎	2
MOR1030E	Introduction to Data Science	2	MOR1100J	政策科学のためのデータサイエンスと情報数理 I	2
MOR1050EA/EB	Introduction to Data Science I	2	MOR1030J	データサイエンス基礎	2
MOR1050EA/EB	Introduction to Data Science I	2	MOR1100J	政策科学のためのデータサイエンスと情報数理 I	2
MOR2020E	Data Science in Practice	2	MOR2020J	実践データサイエンス	2
MOR2020E	Data Science in Practice	2	MOR2100J	政策科学のためのデータサイエンスと情報数理 II	2
MOR2050E	Introduction to Data Science II	2	MOR2020J	実践データサイエンス	2
MOR2050E	Introduction to Data Science II	2	MOR2100J	政策科学のためのデータサイエンスと情報数理 II	2
MOR2500E	Quantitative Social Systems Analysis	2	MOR3010J	数理モデル分析演習	2
MOR6300E	Mathematical Modeling Analysis	2	MOR6300J	数理モデル分析	2
STI2030E	Bibliometrics and Applications	2	STI2030J	ビブリオメトリクスとその応用	2
STI7031E	Bibliometrics and Applications	2	STI7031J	ビブリオメトリクスとその応用	2