Curriculum Map

1st Year	2nd Year	3rd and 4th Year

Social Data Science

Introduction to SDS1, 2	Ethics and Legal Issues on SDS	PBL Research
		Seminar

Social Science

Business Administration and Economics

Introduction to – Business Management – Marketing – Accounting – Finance – Economics	Data Science and – Strategic Management – Marketing – Finance – Micro Economics – Macro Economics	Analyzing business innovation – Data-driven Decision-making in Management – Technology Management – Marketing Science – Advanced Information System – Data Analysis for Property Market – Financial Market Data Analysis

Law, Political Science and other social sciences

Introduction to – Law – Sociology – History	Data Science and – Administrative Law – Political Science – Psychology – International Politics	Solving social issues – Evidence-based Science and Technology Policy – Long-term Economic Statistics and Data Analysis on Japanese Economy – Quantitative Research Methods in Political Science – Medical Data Analysis – Data Analysis for Sustainable Development

Data Science

Statistics

Linear Algebra 1, 2 Calculus 1, 2 Basic Statistics	Regression Analysis 1, 2 Mathematical Statistics1, 2 Causal Inference Official Statistics	Multivariate Analysis Qualitative Data Analysis Nonparametric Analysis Time-series Analysis

Information Science

Introduction to AI Computer Literacy	Practical Machine Learning 1, 2 Artificial Intelligence Bayesian Statistics 1	Cognitive Science Bayesian Statistics 2 Machine Learning Theory Information and Cyber Security Natural Language Processing Image Processing

Information Technology

Computer Programming Basics	Programming 1, 2 Data Handling Algorithms Data Visualization Databese	Advanced Artificial Intelligence