

## Statistics Pre-Approved Related Course List

Please note that MATH 2110Q Multivariable Calculus is an automatic Related for Statistics majors as it is the prerequisite for STAT 3375Q—a required course in the Statistics major. Additionally, all 2000+ level Math courses (W courses and STAT cross-listed courses excluded) will count as a Related course.

Class	Cr.	Title
ACCT 2001	3	Principles of Financial Accounting
ACCT 2101	3	Principles of Managerial Accounting
ACCT 3201	3	Intermediate Accounting I
ACCT 3202	3	Intermediate Accounting II
ACCT 3221	3	Cost Accounting
ACCT 4203	3	Advanced Accounting
ACCT 4204	3	Financial Statement Analysis and Business Valuation
ARE 2150	3	Intermediate Applied and Resource Economics
ARE 2210	3	Essentials of Accounting and Business
ARE 3215	3	Business Management
ARE 3223	3	Business Organization and Labor Markets
ARE 3225	3	Price Analysis and Futures Trading
ARE 3333	3	Computational Analysis in Applied Economics
BME 3100	3	Physiological Modeling
BME 3401	3	Introduction to Computational and Systems Biology
BME 3500	4	Biomedical Engineering Measurements
BME 3810	3	Computational Genomics
BME 4300	3	Physiological Control Systems
BME 4800	3	Bioinformatics
BADM 2710	3	Principles of Managerial Accounting
BADM 3201	3	Intermediate Accounting I
BADM 3202	3	Intermediate Accounting II
BADM 3370	3	Global Marketing Strategy
BADM 3661	3	Marketing and Digital Analytics
CHEG 2103	3	Introduction to Chemical Engineering
CHEG 2111	3	Chemical Engineering Thermodynamics I
CHEM 3332	4	Quantitative Analytical Chemistry
CHEM 3334	4	Instrumental Analysis I
CHEM 3563	4	Physical Chemistry I
CHEM 3564	4	Physical Chemistry II
CSE 2050	3	Data Structures and Object-Orientated Design
CSE 2100	3	Data Structures and Introduction to Algorithms
CSE 2102	3	Introduction to Software Engineering
CSE 2301	4	Principles and Practice of Digital Logic Design
CSE 2500	3	Introduction to Discrete Systems
CSE 3500	3	Algorithms and Complexity
CSE 3502	3	Theory of Computation

Class	Cr.	Title
CSE 3504	3	Probabilistic Performance Analysis of Computer Systems
CSE 3800	3	Bioinformatics
CSE 3802	3	Numerical Methods in Scientific Computation
CSE 3810	3	Computational Genomics
CSE 4502	3	Big Data Analytics
CSE 4702	3	Introduction to Modern Cryptography
CSE 4703	3	Principles of Computer Graphics
CSE 4704	3	Computational Geometry
CSE 4820	3	Introduction to Machine Learning
COMM 3000Q	3	Research Methods in Communication
ECON 2201	3	Intermediate Microeconomic Theory
ECON 2202	3	Intermediate Macroeconomic Theory
ECON 2211Q	4	Quantitative Intermediate Microeconomics
ECON 2212Q	4	Quantitative Intermediate Macroeconomics
ECON 2301	3	Mathematical Economics
ECON 2311Q	3	Econometrics I
ECON 2312Q	3	Econometrics II
ECON 2327	3	Information Technology for Economics
ECON 2411	3	Money and Banking
ECON 2440	3	Economics of Global Economy
ECON 2456	3	Economics of Poverty
ECON 3208	3	Game Theory
ECON 3313	3	Elementary Economic Forecasting
ECON 3315	3	Financial Econometrics
ECON 3413	3	Financial Economics
ECON 3441	3	Theory of Labor Markets
ECON 3451	3	Health Economics
ECON 4323	3	Convex Optimization with Python
ECON 4326	3	Operations Research for Benchmarking
EDLR 3345	3	Financial Management in the Sport Industry
ECE 3111	4	Systems Analysis
ECE 3431	3	Numerical Methods in Scientific Computation
ENGR 3215	3	Statistical Quality Control and Reliability for Manufacturing
ENVE 4210	3	Environmental Engineering Chemistry
FNCE 3101	3	Financial Management
FNCE 3715	3	Personal Finance
FNCE 4307	3	Financial Modeling
FNCE 4308	3	Introduction to Algorithmic Trading
GEOG 2500	4	Introduction to Geographic Information Systems
GEOG 2510	3	Visualizing Geographic Data
GEOG 3110	3	Location Analysis
GEOG 3500Q	4	Geographic Data Analysis
GEOG 3512	3	Introduction to Spatial Data Science

<b>Class</b>	<b>Cr.</b>	<b>Title</b>
GEOG 3530	3	Introduction to GeoComputing
GEOG 4130	3	Geographical Analysis of Transportation
GEOG 4150	3	Applied Data Analysis in Earth Science
GEOG 4230	3	GIS and Remote Sensing for Geoscience Applications
GEOG 4516	3	Fundamentals of Spatial Database Systems
GEOG 4519	3	Spatial Big Data Analytics
GSCI 4150	3	Applied Data Analysis in Earth Science
GSCI 4230	3	GIS and Remote Sensing for Geoscience Applications
LING 2010Q	3	The Science of Linguistics
LING 3000Q	3	Introduction to Computational Linguistics
LING 3310Q	3	Phonology
LING 3410Q	3	Semantics
LING 3510Q	3	Syntax and Semantics
LING 3511Q	3	Syntax
MEM 2211	3	Introduction to Manufacturing Systems
MARN 3003Q	4	Environmental Reaction and Transport
MKTG 3101	3	Introduction to Marketing Management
MKTG 3661	3	Marketing and Digital Analytics
ME 3220	3	Mechanical Vibrations
ME 3224	3	Analysis and Design of Mechanisms
ME 3250	3	Fluid Dynamics I
ME 3253	3	Linear Systems Theory
ME 3255	3	Computational Mechanics
ME 3263	3	Introduction to Sensors and Data Analysis
ME 3264	3	Applied Measurements Laboratory
MUSI 3371Q	3	Twentieth Century Theory and Analysis
NRE 2000	4	Introduction to Geomatics
NRE 4575	4	Natural Resource Applications of GIS
NRE 4665	3	Natural Resources Modeling
OPIM 3103	3	Business Information Systems
OPIM 3104	3	Operations Management
OPIM 3211	3	Systems Analysis and Design
OPIM 3221	3	Business Database Systems
OPIM 3222	3	Network Design and Applications
OPIM 3223	3	Advanced Business Application Development
OPIM 3224	3	Web Business Application Development
OPIM 3505	3	Business Database Management
OPIM 3506	3	Business Application Programming
OPIM 3507	3	Internet Technologies and Electronic Commerce
OPIM 3510	3	Business Data Analytics I
OPIM 3511	3	Business Data Analytics II
OPIM 3512	3	Project Management for Business Data Analytics
OPIM 3652	3	Industrial Quality Control

<b>Class</b>	<b>Cr.</b>	<b>Title</b>
OPIM 3802	3	Data and Text Mining
OPIM 3803	3	Spreadsheet Modeling for Business Analysis
OPIM 3804	3	Data Visualization
PHIL 2211Q	3	Symbolic Logic I
PHYS 2200	3	Computational Physics
PHYS 2400	3	Mathematical Methods for the Physical Sciences
PHYS 2701	3	Foundations of Modern Astrophysics
PHYS 2702	3	Techniques of Modern Astrophysics
PHYS 3101	3	Mechanics I
PHYS 3102	3	Mechanics II
PHYS 3300	3	Statistical and Thermal Physics
PHYS 3401	3	Quantum Mechanics I
PHYS 3402	3	Quantum Mechanics II
PNB 3263WQ	3	Investigations in Neurobiology
POLS 2072Q	3	Quantitative Analysis in Political Science
POLS 2073Q	3	Advanced Quantitative Analysis Methods in Political Science
POLS 3603WQ	3	Congressional Apportionment and Redistricting
PSYC 2100Q	4	Principles of Research in Psychology
PSYC 2100WQ	4	Principles of Research in Psychology
PP 3011Q	3	Public Policy Research Methods II
PP 4031	3	Financial Management for Public & Nonprofit Organizations
SOCI 3201	3	Methods of Social Research
SOCI 3211Q	4	Quantitative Methods in Social Research
SLHS 2156Q	3	Speech and Hearing Science
URBN 2100	3	Survey Research Methods
URBN 2301Q	3	Research Methods and Analysis in Urban and Community Studies