Courses related to my field of study. All classes were taken at the University of Iowa unless otherwise noted. Textbooks, when used and available, are listed below each class. **Graduate level in bold.**

**Final Undergraduate University Degree**

University of Iowa Degree(s): Bachelor of Science

Conferred May 14, 2021

With University Honors and With Highest Distinction (top 2%)

Major in Mathematics

Major in Economics (Analytical)

Honors in Economics

Minor in Philosophy

Mathematics

**MATH:4820 – Optimization Techniques. A+**

Nocedal; Numerical Optimization; 2nd Edition

**MATH:4210 – Foundations of Analysis. A+**

Rudin; Principles of Mathematical Analysis; 3rd Edition

MATH:3800 – Elementary Numerical Analysis. A

Atkinson; Elementary Numerical Analysis.

MATH:3770 – Fundamental Properties of Spaces and Functions (undergraduate Real Analysis). A

Lay; Analysis with an Introduction to Proof; 4th edition

MATH:2850 – Calculus III. B

Colley; Vector Calculus, 4th edition

MATH:2700 – Introduction to Linear Algebra. A

Lay; Linear Algebra & Its Applications; 5th Edition

MATH:1860 – Calculus II. A-

Stewart; Single Variable Calculus, Early Transcendentals; 9th edition

MATH:XXXX – Calculus I (Western Dubuque High School). A

Economics

**ECON:220A – Industrial Organization (University of California, Berkeley). Audit**

**ECON:261 – The Engineering Economics of Electricity Markets (Stanford University). A**

**ECON:256 – Energy Markets and Policy (Stanford University). A**

**ECON:4999 – Honors Thesis in Economics. A+**

**ECON:4800 – Econometric Analysis. A+**

Stock, Watson; Introduction to Econometrics; 4th edition

**ECON:4200 – Game Theory. A**

Osborne; An Introduction to Game Theory; version 00/11/6

**ECON:4140 – Labor Economics. A+**

Ehrenberg, Smith; Modern Labor Economics; 10th edition.

ECON:3850 – Behavioral Economics. A

Mankiw; Macroeconomics; 9th edition

ECON:3625 – Environmental & Natural Resource Economics. A+

Tietenberg; Environmental and Natural Resource Economics, 11th edition

ECON:3150 – Intermediate Macroeconomics. A

Mankiw; Macroeconomics; 9th edition

ECON:3100 – Intermediate Microeconomics. A

Pindyck, Rubinfeld; Microeconomics; 8th edition

Friedman; Price Theory: An Intermediate Text

ECON:2800 – Statistics for Strategy Problems. A-

Other

STAT:3200 – Applied Linear Regression. A+

Fox; Applied Regression Analysis & Generalized Linear Models; 3rd edition

Fox, Weisberg; An R Companion to Applied Regression; 2nd Edition

STAT:3120 – Probability and Statistics. A+

Tanis, Hogg; A Brief Course in Mathematical Statistics

STAT:2010 – Statistical Methods and Computing. A+

Moore, Notz, Fligner; The Basic Practice of Statistics; 6th Edition

PHIL:2603 – Introduction to Symbolic Logic. A+

Copi; Introduction to Symbolic Logic; 5th Edition

CS:1210 – Computer Science Fundamentals. A

GEOG:3780 – U.S. Energy Policy in Global Context. A+

Revesz, Lienke; Struggling for Air: Power Plants and the “War on Coal”

Raimi; The Fracking Debate: The Risks, Benefits, and Uncertainties of the Shale Revolution

Thompson; Living on the Grid: The Fundamentals of the North American Electric Grids in Simple Language

Usher; Renewable Energy: A Primer for the Twenty-First Century

GEOG:3050 – Geospatial Programming. Audit

Zandbergen; Python Scripting for ArcGIS Pro

GEOG:1050 – Foundations of GIS. A+

Bolstad; GIS Fundamentals; 6th Edition

BUS:1999 – Introduction to Research in Business. Satisfied