

Courses Approved for Empirical & Mathematical Reasoning

Students in the Classes of 2020, 2021, and 2022 can fulfill the Quantitative Reasoning with Data requirement by taking a [course approved for Quantitative Reasoning with Data](#) or by taking a course that was previously approved for the Empirical & Mathematical Reasoning (EMR) Gen Ed requirement.

Under the flexibility granted to students during the transition to the new Gen Ed requirements, all Applied Mathematics, Computer Science, Mathematics, and Statistics courses could be used to fulfill the EMR requirement. In addition to these courses, the following courses were also approved for EMR:

- ASTRON 2 – Celestial Navigation
- ECON 10A/B – Principles of Economics [Note that both semesters were required in order to fulfill EMR]
- ECON 1000A – Growth, Technology, Inequality, and Evolution
- ECON 1010A – Intermediate Microeconomic
- ECON 1010B – Intermediate Macroeconomics
- ECON 1011A – Intermediate Microeconomics: Advanced
- ECON 1011B – Intermediate Macroeconomics: Advanced
- ECON 1123 – Introduction to Econometrics
- ENG-SCI 1 – Introduction to Engineering Sciences
- ENG-SCI 50 – Introduction to Electrical Engineering
- GENED 1051 – Reclaiming Argument: Logic as a Force for Good
- GENED 1079 – Why Is There No Cure for Health?
- GENED 1105 – Can We Know Our Past? Archaeology's Dirty Little Secrets
- GOV 50 – Introduction to Political Science Research Methods
- HEB 1590 – Ancient Biomolecules
- HISTSCI 125 – Moneyball Nation
- LIFESCI 50A/B – Integrated Science
- PHYSICI 2 – Mechanics, Elasticity, Fluids, and Diffusion
- PHYSICI 3 – Electromagnetism, Circuits, Waves, Optics, and Imaging
- PHYSICI 12A – Mechanics from an Analytic, Numerical and Experimental Perspective
- PHYSICS 11A – Mechanics
- PHYSICS 11B – Electricity, Magnetism & Waves
- PHYSICS 15A – Introductory Mechanics and Relativity
- PHYSICS 15B – Introductory Electromagnetism
- PHYSICS 15C – Wave Phenomena
- PHYSICS 16 – Mechanics and Special Relativity
- PSY 1900 – Introduction to Statistics for the Behavioral Sciences
- SOCIOL 156 – Quantitative Methods in Sociology

For questions about fulfilling the Quantitative Reasoning with Data requirement, please contact grd@fas.harvard.edu.