

**RESEARCH METHODS (3 HOURS)**

**CMS 348** - Communication Research Methods  
**DES 320** - Design Theories/Methods  
**DES 324** - Design Research/Methods  
**HDF 315L** - Research Methods in Human Development/Family Science  
**I 305** - Research Methods for Informatics  
**KIN 425K** - Physiology of Exercise  
**PSY 420M** - Psychological Methods/Statistics

**SOC 317M** - Introduction to Social Research  
**SOC 327M** - Social Research Methods  
**S W 313** - Social Work Research Methods  
**S W 318** - Social Work Statistics  
**TXA 328** - Research Methods in Textiles/Apparel  
**WGS 356** - Intro to Feminist Research Method

**STATISTICS (3 HOURS)**

**ADV 309R** - Introduction to Advertising and Public Relations Research  
**AFR 302M** - Numbering Race  
**ANT 324L 56** - Ethnographic Writing  
**CMS 316L** - Interviewing Principles and Practices  
**ECO 329** - Economic Statistics  
**EDP 308** - Statistical Reasoning/Literacy  
**EDC 319** - Qualitative Inquiry/Education for Social Change  
**EDP 371** - Introduction to Statistics  
**GOV 350K** - Statistical Analysis in Political Science  
**I 306** - Statistics for Informatics  
**M 362K** - Probability I  
**PSY 317L** - Intro to Statistics and Behavioral Science  
**SDS 301** - Elementary Statistical Methods  
**SDS 302** - Data Analysis for the Health Sciences  
**SDS 303** - Statistics in Experimental Research

**SDS 304** - Statistics in Health Care  
**SDS 305** - Statistics in Policy Design  
**SDS 306** - Statistics in Market Analysis  
**SDS 313** - Introduction to Data Science  
**SDS 320E** - Elements of Statistics  
**SDS 321** - Introduction to Probability and Statistics  
**SDS 323** - Statistical Learning and Inference  
**SDS 334** - Intermediate Statistical Methods  
**SDS 336** - Practical Machine Learning  
**SDS 328M** - Biostatistics  
**SDS 354** - Advanced Statistical Methods  
**SOC 317L** - Introduction to Social Statistics  
**STA 301** - Introduction to Data Science  
**STA 309** - Elementary Business Statistics

**ETHICAL FOUNDATIONS FOR INFORMATICS OR EQUIVALENT (3 HOURS)**

**ADV 353** - Advertising & PR Law and Ethics  
**BGS 337** - Strategy Beyond Markets  
**I 303** - Ethical Foundations for Informatics  
**CMS 332D** - Digital Ethics  
**CMS322E** - Communication Ethics  
**DES 308** - Introduction to Design Theory and Criticism

**LEB 320F** - Foundations of Business Law & Ethics  
**LEB 323** - Business Law and Ethics  
**J 352F** - Ethics in Journalism  
**PHL 304T** - Introduction to the Ethics of Technology  
**PHL 318** - Introduction to Ethics  
**PHL 610** - Problems of Knowledge and Valuation

**BEGINNING-LEVEL PROGRAMMING PROFICIENCY (3 HOURS)**

**I 304** - Programming for Informatics  
**C S 303E** - Elements of Computers and Programming  
**J 326C** - Intro Coding for Journalists  
**LIN 313** - Language and Computers

**L A 319** - Computer Programming: Liberal Arts  
**MIS 304** - Intro to Problem Solving and Programming  
**SDS 322** - Introduction to Scientific Programming

**BEGINNING-LEVEL LANGUAGE PROFICIENCY (3 HOURS)**

**American Sign Language (ASL):** ASL 601D + 610D  
**Arabic:** ARA 601C  
**Bengali:** BEN 506 + 507  
**Chinese:** CHI 506 + 507, 604  
**Classical Antiquity Latin:** LAT 506 + 507, 601C,  
**Czech:** CZ 406 + 407  
**Danish:** DAN 604  
**Dutch:** DCH 604  
**French:** FR 601C, FR 406 + 407  
**German:** GER 506 + 507, 604  
**Greek (Ancient):** GK 506 + 507, 804  
**Greek (Modern):** GK 502 + 503, 602C  
**Hebrew:** HEB 601C, 602C  
**Hindi:** HIN 506 + 507, 604  
**Italian:** ITL 601C  
**Japanese:** JPN 601D + 610D  
**Korean:** KOR 506 + 507, 604  
**Latin American Studies Indigenous Lat. Amer. Lang.:** LAL 601C

**Malayalam:** MAL 506 + 507  
**Norwegian:** NOR 604  
**Persian:** PRS 601C  
**Polish:** POL 506 + 507, 601C  
**Portuguese:** POR 601D + 610D, POR 610S  
**Russian:** RUS 406+ 407, 601C  
**Sanskrit:** SAN 506 + 507  
**Serbian/Croatian:** SC 506 + 507, 601C  
**Slavic & Eurasian:** SEL 506 + 507, 601C  
**Spanish:** SPN 601D + 610D, 604  
**Swedish:** SWE 604  
**Tamil:** TAM 506 + 507, 604  
**Telugu:** TEL 506 + 507, 604  
**Turkish:** TUR 601C  
**Urdu:** URD 506 + 507, 604  
**Yiddish:** YID 604  
**Yoruba:** YOR 601C

## ADDITIONAL LIBERAL ARTS COURSEWORK (6 HOURS)

Petitions to count additional courses will be considered during registration and add/drop periods.

**ADV 324** - Communicating Sustainability  
**ADV 378** - Public Comm of Science Tech-WB  
**AFR** - Any course  
**AMS** - Any course  
**ANT** - Any course  
**AAS** - Any course  
**ANS** - Any course  
**CC** - Any course  
**CL** - Any course  
**CMS 350C** - Crowds, Clouds and Community  
**DES 322** - Design and the Social Environment  
**E** - Any course  
**ECO** - Any course  
**EUS** - Any course  
**GOV** - Any course  
**GRG 356T** - Human Health & the Environment  
**GRG 356T** - Urban Publics  
**HS** - Any course  
**HIS** - Any course  
**HMN** - Any course  
**IB 320F** - Foundations of International Business  
**IB 372** - Global Entrepreneurship

**I 320.2** - Children's Literature  
**IRG** - Any course  
**ISL** - Any course  
**ITC** - Any course  
**J 308D** - Data, Privacy, And You  
**J 355F** - Living in Information Age  
**JS** - Any course  
**LAS** - Any course  
**LIN** - Any course  
**MAS** - Any course  
**MES** - Any course  
**MDV** - Any course  
**M E 379M** - Energy, Technology & Policy  
**MKT 320F** - Foundations of Marketing  
**PHL** - Any course  
**PSY** - Any course  
**REE** - Any course  
**RHE** - Any course  
**RS** - Any course  
**RTF 331N** - Information Society: Digital Media -T  
**SOC** - Any course  
**WGS** - Any course

## ADDITIONAL SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH COURSEWORK (6 HOURS)

Students may select from the following courses. Any of the research methods, statistics, and programming courses listed in the section above will also count toward the STEM requirement.

**CMS 350C** - Crowds, Clouds and Community  
**C S 302** - Computer Fluency  
**C S 303E** - Elements of Computers and Programming  
**C S 313E** - Elements of Software Design  
**C S 323E** - Elements of Scientific Computing  
**C S 323H** - Elements of Scientific Computing: Honors  
**C S 324E** - Elements of Graphics and Visualization  
**C S 326E** - Elements of Networking  
**C S 327E** - Elements of Databases  
**C S 329E** - Advanced Topics in Elements of Computing  
**C S 329E** - Elements of Computing in Society  
**C S 329E** - Elements of Data Analytics  
**C S 329E** - Elements of Data Visualization  
**C S 329E** - Elements of Game Development  
**C S 329E** - Elements of Mobile Computing  
**C S 329E** - Elements of Navigating Cyberspace  
**C S 329E** - Elements of Web Programming  
**E E 379K** - Information Security & Privacy - T  
**E E 379K** - Data Science Laboratory - T

**E S 301** - Engineering Design and Problem Solving  
**GRG 356T** - Geoprocessing - T  
**I 320.1** - Information in Cyberspace  
**M 301** - College Algebra  
**M 302** - Introduction to Mathematics  
**M 303D** - Applicable Mathematics  
**M 403K** - Calculus I for Business and Economics  
**M 305E** - Analytic Geometry  
**M 305G** - Preparation for Calculus  
**M 408C** - Differential and Integral Calculus  
**M 408D** - Sequences, Series, and Multivariable Calculus  
**M 308M, 408M** - Multivariable Calculus  
**M 408K** - Differential Calculus  
**M 408K** - Differential Calculus  
**M 408R** - Differential and Integral Calculus for the Sciences  
**MAN 337** - Tech Transfer/Entrepreneurship  
**MIS 373** - Predictive Analytics & Data Mining - T  
**SDS 301** - Elementary Statistical Methods