Informatics Degree Program – Approved Courses

Research Methods and Statistics (6 hours) Approved Courses:

- ADV 309R Introduction to Advertising and Public Relations Research
- ANT 324L 556 Ethnographic Writing
- AFR 302M Numbering Race
- CMS 316L Interviewing Principles and Practices
- ECO 329 Economic Statistics
- EDC 319 Qualitative Inquiry/Education for Social Change
- EDP 308 Statistical Reasoning/Literacy
- EDP 371 Introduction to Statistics
- HDF 315L Research Methods in Human Development/Family Science
- PSY 418 Statistics & Research Design
- 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 321 Introduction to Probability and Statistics
- SDS 323 Statistical Learning and Inference
- SDS 328M Biostatistics
- STA 309 Elementary Business Statistics
- SOC 317L Introduction to Social Statistics
- SOC 317M Introduction to Social Research
- SW 313 Social Work Research Methods
- SW 318 Social Work Statistics
- WGS 356 Intro to Feminist Research Method

Ethical Foundations for Informatics or equivalent (3 hours):

- I 303 Ethical Foundations for Informatics
- CMS 332D Digital Ethics
- CMS 332E Communication Ethics
- J 352F Ethics in Journalism
- PHL 318 Introduction to Ethics

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
- LA 319 Computer Programming: Liberal
- 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, Greek: GK 506 + 507, 804
• Czech: CZ 406 + 407
• Danish: DAN 604
• Dutch: DCH 604
• French: FR 601C, FR 406 + 407
• German: GER 506 + 507, 604
• 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
• Modern Greek 502 + 503, 602C
• Northern Europe
• 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
• Any AFR course
• Any AMS course
• Any ANT course
• Any AAS course
• Any ANS course
• Any CC course
• Any CL course
• CMS 350C Crowds, Clouds and Community
• DES 322 Design and the Social Environment
• Any E course
• Any ECO course
• Any EUS course
• Any GOV course
• GRG 356T Human Health & the Environment
• GRG 356T Urban Publics
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 highlighted above will also count toward the STEM requirements.

- 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 24-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 408C. Differential and Integral Calculus.
- M 408D. Sequences, Series, and Multivariable Calculus.
- M 308M, 408M. Multivariable Calculus.
- M 408K. Differential Calculus.
- M 408R. Differential and Integral Calculus for the Sciences.
- MAN 337 Tech Transfer/Entrepreneurship
- MIS 373 17-Pred Analytic & Data Mining - T
- SDS 301 Elementary Statistical Methods