### Bachelor of Arts or Science in Informatics

#### Approved Courses and Substitutions

**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 325K - 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
- 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 320E - Elements of Statistics
- SDS 321 - Introduction to Probability and Statistics
- SDS 323 - Statistical Learning and Inference
- SDS 328M - Biostatistics
- SOC 317L - Introduction to Social Statistics
- STA 309 - Elementary Business Statistics

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

- I 303 - Ethical Foundations for Informatics
- CMS 332D - Digital Ethics
- CMS322E - Communication Ethics
- DES 308 - Introduction to Design Theory and Criticism
- J 352F - Ethics in Journalism
- 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
- 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
- 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
- I 320.2 - Children’s Literature
### 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.

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<tr>
<th>Course Code</th>
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<td>CMS 350C</td>
<td>Crowds, Clouds and Community</td>
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<tr>
<td>C S 302</td>
<td>Computer Fluency</td>
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<td>C S 303E</td>
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<td>C S 313E</td>
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<td>C S 323E</td>
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<td>C S 324E</td>
<td>Elements of Graphics and Visualization</td>
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<td>C S 326E</td>
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<td>C S 327E</td>
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<td>C S 329E</td>
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<td>C S 329E</td>
<td>Elements of Data Analytics</td>
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<td>Elements of Mobile Computing</td>
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<td>C S 329E</td>
<td>Elements of Navigating Cyberspace</td>
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<td>C S 329E</td>
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<td>E E 379K</td>
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<td>E E 379K</td>
<td>Data Science Laboratory - T</td>
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<td>E S 301</td>
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<td>Information in Cyberspace</td>
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<tr>
<td>M 408C</td>
<td>Differential and Integral Calculus</td>
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<td>M 408D</td>
<td>Sequences, Series, and Multivariable Calculus</td>
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<td>M 408M</td>
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<td>SDS 301</td>
<td>Elementary Statistical Methods</td>
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