

| Major Program(s)  | EL: Advanced Writing   | EL: Data Analysis  | EL: Technology   |
|---|--|--|--|
| Actuarial Science (BA/BS)                                 | ENGLISH 3304   | STAT 4202  | MATH 3618  |
| African American and African Studies                      | AFAMAST 2201   | AFAMAST/HISTORY 3083 OR 3086   | AFAMAST 3450 OR 4571   |
| Ancient History and Classics                              | CLAS 3100  | LING 2051, 3802, HISTORY 2800, 3702, COMPSTD 3990 OR ENGLISH 3379                                      | ANTHROP 2201, COMPSTD 2340, HISTORY 2700, 2800, 3213, RELSTDS 2670 OR WGSST 3575                   |
| Anthropology (BA)   | ANTHROP 3597.01, 3597.02, 3418, 3400 OR 4525   | ANTHROP 5620 OR 5650   | ANTHROP 2200   |
| Anthropological Sciences (BS)                             | ANTHROP 3597.01 3597.02 3418 3400 OR 4525  | STAT 1450 OR 2450  | ANTHROP 2200   |
| Arabic  | ARABIC 2241, 2701 OR 2702  | ARABIC 2241, 2701 OR 2702  | ARABIC 2241, 2701 OR 2702  |
| Art (BFA/BA)  | ART 5000   | ART 3014, 3017 OR 3005   | ART 3000   |
| Art Education (BAE)                                       | EDUTL 5442   | ARTEDUC 4200   | ART 3000   |
| Arts Management   | ARTEDUC 5688   | BUSFIN 3120  | ARTEDUC 5688   |
| Astronomy   | ASTRON 3350 AND 1221   | ASTRON 3350 AND 1221   | ASTRON 2895, 2291, 2292, 3350, 5681 AND 5682   |
| Atmospheric Sciences                                      | GEOG 3597.03   | STAT 2450  | GEOG 5940, 5941 AND 5942   |
| Biochemistry (BA)   | CHEM 2540 AND BIOCHEM 5621   | CHEM 2540 AND BIOCHEM 5621   | CHEM 2540, BIOCHEM 5621 AND 5615   |
| Biochemistry (BS)   | CHEM 2540, 2550 AND BIOCHEM 5621   | CHEM 2540, 2550 AND BIOCHEM 5621   | CHEM 2540, 2550, BIOCHEM 5621 AND 5615   |
| Chemistry (BA/BS)   | CHEM 2540, 2550, 2210 AND 4410   | CHEM 2540, 2550, 2210 AND 4410   | CHEM 2540 AND 2550   |
| Biology (BA/BS)   | BIOLOGY 3401   | BIOLOGY 3401   | BIOLOGY 3401   |
| Chinese   | CHINESE 2451   | CHINESE 2231 OR 2232   | CHINESE 2231 OR 2232   |
| Classics (Classical Humanities/Greek/Latin/Greek & Latin) | CLAS 3100  | LING 2051, 3802, HISTORY 2800, 3702, COMPSTD 3990 OR ENGLISH 3379                                      | ANTHROP 2201, COMPSTD 2340, HISTORY 2700, 2800, 3213, RELSTDS 2670 OR WGSST 3575                   |
| Communication   | COMM 2367(H) (CAE)(COT) OR 2321 (SCM)  | COMM 3160 (CAE)(COT), 3165 (COT) OR 3163 (SCM)   | COMM 3440 (CAE) OR 2540 (COT) AND COMM 3554 (COT) OR 3334 (SCM)                                    |
| Comparative Studies                                       | COMPSTD 4990   | COMPSTD 3990   | COMPSTD 2340   |
| Computer Information Science (BA/BS)                      | CSE 2501 OR PHILOS 1338  | STAT 2450 OR 3470  | CSE 2501 OR PHILOS 1338  |
| Criminology   | SOCIOL 3487(H)   | SOCIOL 3549  | SOCIOL 3302  |
| Dance (BFA)   | DANCE 3412   | DANCE 3301   | DANCE 2702   |
| Data Analytics  | STAT 3302  | STAT 3301  | STAT 3302  |
| Design (BSD in IND, INT, VCD)                             | DESIGN 3550.03 AND 4750 OR DESIGN 4200 AND 4750 (concentration dependent)                        | DESIGN 3200, 4200 AND DESIGN 5200.03 OR DESIGN 3200, 4200 AND 5200.01 OR DESIGN 3200, 4200 AND 5200.02 | DESIGN 2750 AND 3550.03 OR DESIGN 2750 AND 3550.01 OR DESIGN 2750 AND 3550.02                      |
| Earth Sciences (BS)                                       | EARTHSC 4999.01  | EARTHSC 2245   | EARTHSC 4450, 4560 OR 2122   |
| Earth Sciences (BA)                                       | EARTHSC 2122   | EARTHSC 2245   | EARTHSCI 2122  |
| Economics (BA)  | ECON 2367.xx, 5130 OR 5140   | ECON 4400  | ECON 5850, 5860 OR ECON/PSYCH 5870   |
| Economics (BS)  | ECON 2367.xx, OR 5140  | ECON 5410 AND 5420   | ECON 5850, 5860 OR ECON/PSYCH 5870   |
| English: Literature, Film, Folklore, and Popular Culture  | ENGLISH 3398   | ENGLISH 3398   | ENGLISH 2263, 2264, 2269, 2367.04, 2463, 3378, 4569, 4574 OR 4578                                  |
| English: Creative Writing                                 | ENGLISH 3398   | ENGLISH 3398   | ENGLISH 3378, 4569, 4574 OR 4578   |
| English: Pre-Education                                    | ENGLISH 3398   | ENGLISH 3398   | ENGLISH 2269 OR 4569   |
| English: Writing, Rhetoric, and Literacy                  | ENGLISH 3379   | ENGLISH 3379   | ENGLISH 2269 OR 4569   |
| Evolution & Ecology                                       | EEOB 3410  | EEOB 3410  | EEOB 3310.01 OR 3310.02  |
| Film Studies  | FILMSTD 4895   | FILMSTD 2271   | FILMSTD 2271 AND 4895  |
| French  | FRENCH 4401  | FRENCH 3301 OR LING 2051   | LING 3802  |
| Forensic Anthropology                                     | ANTH 3401, 5603, 5608, 5609, 5610, 5642, 5651 OR 5700  | STAT 1450 OR 2450  | ANTHROP 3504 OR 2200   |
| French and Francophone Studies                            | FRENCH 4401  | FRENCH 3301 OR LING 2051   | LING 3802  |
| Geography (Social and Envir. BA)                          | GEOG 3597.03   | GEOG 4103  | GEOG 5210  |
| Geography (BS)  | <b>Physical Geography BS:</b> GEOG 3597.03<br><b>Spatial Analysis BS:</b> GEOG 3597.03           | <b>Physical Geography BS:</b> STAT 2450<br><b>Spatial Analysis BS:</b> GEOG 4103                       | <b>Physical Geography BS:</b> GEOG 5210<br><b>Spatial Analysis BS:</b> GEOG 5210                   |
| Geographic Information Science                            | GEOG 5101  | GEOG 4103  | GEOG 5210  |
| German  | GERMAN 2350  | GERMAN 3689, SLAVIC 4350 or equivalent OR LING 2051  | GERMAN 3101  |
| Hebrew and Jewish Studies                                 | JEWSHST 2201, HEBREW 2241, HEBREW 2216/JEWSHST 2516, HEBREW/JEWSHST 2700 OR YIDDISH/JEWSHST 2241 | JEWSHST 2201, HEBREW 2241, HEBREW 2216/JEWSHST 2516, HEBREW/JEWSHST 2700 OR YIDDISH/JEWSHST 2241       | JEWSHST 2201, HEBREW 2241, HEBREW 2216/JEWSHST 2516, HEBREW/JEWSHST 2700 OR YIDDISH/JEWSHST 2241   |
| History   | Any two 4000-level seminars  | HISTORY 2800(H)  | HISTORY 2800(H)  |
| History of Art  | HISTART 4001 AND 4016  | HISTART 4010   | HISTART 4010   |
| Integrated Major in Mathematics and English (IMME)        | ENGLISH/MATH 4420  | STAT 4201, 4202 OR MATH 4530 (concentration dependent)   | ENGLISH 2269   |
| International Studies (all specializations)               | <b>BS:</b> INTSTDS 4700 OR 4852<br><b>BA:</b> INTSTDS 4852                                       | <b>BS:</b> STAT 2450<br><b>BA:</b> GEOG 4103, INTSTDS 3400, POLITSC 3780 OR SOCIOL 5650                | <b>BS:</b> INTSTDS 4701 OR 3703<br><b>BA:</b> INTSTDS 3703, SOCIOL 3302, COMM 3554 OR INTSTDS 4701 |
| Islamic Studies   | ISLAM 3501   | ISLAM 3501   | ISLAM 3501   |
| Italian   | ITALIAN 4225   | ITALIAN 2102   | ITALIAN 3103   |
| Italian Studies   | ITALIAN 4225   | ITALIAN 2102   | ITALIAN 3103   |
| Japanese  | JAPANSE 2451 OR 2542   | JAPANSE 5380 OR 5315   | JAPANSE 2231   |
| Korean  | KOREAN 2451  | KOREAN 5380 OR 5315  | KOREAN 2231  |
| Linguistics   | LING 3000  | LING 2001, 2051, 4052 OR PSYCH 2220(H)   | LING 3801, 3803, CSE 2501 OR PHILOS 1338   |

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| Mathematics (BA/BS)   | MATH 3345 OR MATH 4181H  | STAT 4202   | MATH 1295 OR MATH 5520H  |
| Medical Anthropology (BA/BS)  | ANTHROP 3597.01, 3597.02, 3418, 3400 OR 4525   | ANTHROP 5650  | ANTHROP 2200   |
| Medieval and Renaissance Studies                                      | MEDREN 5695  | MEDREN 5695   | MEDREN 2610, ANTHROP 2200, 2201, HISTORY 2700, 2701, 2704, 3213 OR RELSTD/PHILOS 2670  |
| Microbiology  | MICRBIO 4100 AND 4140  | STAT 1450, 2450.01 OR 2480  | MICRBIO 4100, 4110 AND 4140  |
| Modern Greek  | CLAS 3100  | LING 2051, 3802, HISTORY 2800, 3702, COMPSTD 3990 OR ENGLISH 3379   | ANTHROP 2201, COMPSTD 2340, HISTORY 2700, 2800, 3213, RELSTDS 2670 OR WGSST 3575   |
| Molecular Genetics (BS)   | MOLGEN 5601, 5602, 4998 OR 4999  | MOLGEN 4606, 5607, 5608, 5645 AND MOLGEN 5601, 5602, 4998 OR 4999   | MOLGEN 4606, 5607, 5608, 5645 AND MOLGEN 5601, 5602, 4998 OR 4999  |
| Molecular Genetics (BS w/ PCMB)                                       | MOLGEN 3300  | MOLGEN 4606, 5607 AND 5608  | MOLGEN 4606, 5607 AND 5608   |
| Moving-Image Production   | MVNGIMG 4200   | FILMSTD 2270.xx   | MVNGIMG 2201, 2202, 4501 AND 4502  |
| Music (BA/BS/BM: Jazz Studies, Musicology, Music Theory, Performance) | MUSIC 3364(E)  | MUSIC 2224 AND 2225   | MUSIC 2121, 2221 AND 2222  |
| Music Education (BME)   | MUSIC 2470(E)  | MUSIC 2224 AND 2225   | MUSIC 2121, 2221 AND 2222  |
| Neuroscience  | ENGLISH 3304 OR 3305   | For Systems/Behavioral Specialization, Cognitive/Computational Specialization and Molecular/Cellular Specialization: MOLGEN 5650, PSYCH 2220(H), STAT 2450 OR 2480<br>Otherwise: PSYCH 2220(H), STAT 2450 OR 2480 | NEUROSC 3000 AND PSYCH 3313(H)   |
| Philosophy  | PHILOS 3000  | PHILOS 3000   | PHILOS 3000  |
| Philosophy, politics, and economics                                   | Choose one of the following: POLITSC 3170, 3115, 3220, 3280, 3310H, 3905, 4120, 4132H, 4152, 4160, 4250, 4285, 4245H, 4331, 4335, 5412, 5413, 5414; INTSTDS 3850; PHILOS 3000; ECON 2367.xx; ECON 5130 OR ECON 5140            | ECON 3400 OR POLITSC 3780   | Choose one of the following: POLITSC 3170, 3450, 3905, 4152, 4335, 5414; COMM 3440, 3450, 3554, 3558; PHILOS 3000; ECON 5850, ECON 5860 OR ECON 5870 (Cross- listed as Psych 5870) |
| Physics (BS)  | Physics 5700   | Physics 3700  | Physics 5700   |
| Political Science   | POLITSC 3170, 3115, 3220, 3280, 3310H, 3905, 4120, 4132H, 4152, 4160, 4250, 4285, 4331, 4245H, 4335, 5412, 5413, 5414 OR INTSTDS 3850  | POLITSC 3780, 3780H, 3785, 4781, 4782, INTSTDS/ECON 3400 OR PHILOS 1520   | POLITSC 3170, 3450, 3905, 4152, 4335, 5414; COMM 3440 3450, 3554, 3558   |
| Portuguese  | PORTGSE 3403   | PORTGSE 3401  | PORTGSE 3450   |
| Psychology  | <b>BS:</b> PSYCH 4510, 4520<br><b>BA</b> (Choose one of the following): PSYCH 4510, 4520; ENGLISH 2367.01 OR ENGLISH 2367.02, 2367.04, 2367.05, 2367.06, 2367.07S, 2367.08 OR ENGLISH 2367.09S, 3304, 3305, 3467S, 4150, 4567S | PSYCH 2220  | PSYCH 3313(H) OR 3513  |
| Psychology (BS)   | PSYCH 4510 OR 4520   | PSYCH 2220  | PSYCH 3313(H) OR 3513  |
| Public Affairs Journalism   | COMM 2221  | COMM 3160 OR 3163   | COMM 3226 AND 4221   |
| Religious Studies   | COMPSTD 4990 OR RELSTDS 4970   | COMPSTD 3990  | RELSTDS 2670   |
| Romance Languages   | CLAS 3100, FRENCH 4401, ITALIAN 4225, PORTGSE 3403 OR SPANISH 3403   | FRIT 3301, ITALIAN 3103, PORTGSE 3403 OR SPANISH 3403   | ITALIAN 2102, LING 3802(H), PORTGSE 3450 OR SPANISH 3450(H)  |
| Russian   | RUSSIAN 4575   | SLAVIC 4530   | SLAVIC 4530  |
| Social Science Air Transportation                                     | AVIATN 2000, 2200 AND 4500   | AVIATN 2300, 3000, 3200, 3300 AND 4500  | AVIATN 2000 AND 2100   |
| Sociology (BA/BS)   | SOCIO 3487(H)  | SOCIO 3549  | SOCIO 3302   |
| Spanish (for all tracks)  | SPANISH 3403(H)  | SPANISH 3401  | SPANISH 3450(H)  |
| Speech and Hearing Science  | ENGLISH 2367 or equivalent   | SPHHRNG 5785  | SPHHRNG 3320 AND 3340  |
| Statistics  | STAT 3301 AND 3302   | STAT 3301   | STAT 3302  |
| Theatre   | THEATRE 3731 AND 3732  | THEATRE 5771.xx   | THEATRE 2000.xx AND 3000   |
| Vision Science  | BIOLOGY 3401   | BIOLOGY 3401  | BIOLOGY 3401   |
| Women's, Gender and Sexuality Studies                                 | WGSST 2550 AND 4575 OR 4999  | WGSST 3575  | WGSST 3575   |
| World Literature  | COMPSTD 4990   | COMPSTD 3990  | COMPSTD 2340   |
| World Politics  | Choose one of the following: POLITSC 2120, 3170, 3115, 3220, 3280, 3310H, 3905, 4120, 4132H, 4139(E), 4152, 4160, 4250, 4285, 4331, 4245H, 4331, 4335, 5411, 5412, 5413, 5414; INTSTDS 3850                                    | Choose one of the following: POLITSC 3780, 3780H, 3785, 4781, 4782; INTSTDS/ECON 3400; PHILOS 1520  | Choose one of the following: POLITSC 2120, 3450, 3459, 4127(H), 4152, 4335, 5414; COMM 3440, 3450, 3554, 3558  |
| Zoology (BA/BS)   | EEOB 3410  | EEOB 3410 AND 3310.01/3310.02   | EEOB 3310.01/3310.02   |

