# January 27, 2015 <br> Miscellaneous Curriculum Changes, Effective Fall 2015 <br> Undergraduate Bulletin Text 

## African, African American, and Diaspora Studies Major, B.A.African Studies Concentration

## Core Requirements

- AAAD 101
- AAAD 130
- AAAD 395 (in the African studies concentration; with permission of instructor and director of undergraduate studies, a student may take this course in the African American and Diaspora studies concentration)
- AAAD 487
- Six additional courses apportioned in the following way:
- One African American and Diaspora studies, or transnational, course chosen from AAAD 130184, 230-284, 286, 298, 330-384, 385, 430-484, 485, 488, 489
- As many as three courses chosen from AAAD 100-129, 200-229, 300-329, 386, 387; LGLA 404; SWAH 404, 405, 406; WOLO 404
- At least two courses chosen from AAAD 400-429, 485
- One course may come from this list, so long as students still take two courses at or above the 400 level in the African studies concentration: ARTH 155, 255; ANTH 238; FREN 505; GEOG 268; HIST 130, 301, 535; PORT 385; WMST 237, 283, 289

First-year seminars do not count toward the major.

## African Studies Minor

The undergraduate minor in African studies consists of 15 hours.

- Four additional courses chosen from the following list: AAAD courses at or above the 100 level whose last two digits are from 00 to 29 , and African studies courses whose last two digits are from 85 to 99; LGLA 404; SWAH 404, 405, 406; WOLO 404.


## Archaeology Major, B.A.

## Core Requirements

- One course in topics in archaeology from the following list: AMST/ANTH 54; ANTH 50, 60, $64,65,149$ (pending approval), 232, 252, 412, 420, 423, 454, 538, 550, 650, 651 (pending approval) 674; ANTH/ENEC 460; ANTH/FOLK 455; ANTH/GEOL 421; ANTH/WMST 458; ARTH/CLAR 461, 462, 463, 464, 465, 474, 476, 683; CLAR 51, 243, 488, 489, 491; CLAR/JWST/RELI 512; CLAR/RELI 375; CLAS 71; LING 558, 560, 561; RELI 63


## Archaeology Minor

- One topical course from the following list: AMST/ANTH 54; ANTH 50, 60, 64, 65, 143, 148, 149 (pending approval), 252, 411, 412, 413, 414, 415, 416, 417, 418, 420, 423, 454, 455, 458, 460, 538, 650, 651 (pending approval), 674; ANTH/GEOL 421; ARCH 393, 395, 396; ARTH/CLAR 263, 460 461, 462, 463, 474, 476, 683; CLAR 51; CLAS 71; LING 558, 560, 561; RELI 63, 512


## Asian Studies Major, B.A. -South Asian Studies Concentration

## Core Requirements

- Two Hindi-Urdu courses beyond HNUR 204. Students whose initial language placement is above HNUR 305 should consult the department.
- One of the following introductory courses: ASIA 59, 61, 152; ASIA/GEOG 267; ASIA/HIST 135,136 . It is recommended that students take this course either prior to or concurrent with upper-level South Asian literature and culture classes.
- Five courses, including at least three numbered 200 or above, from either the list of introductory courses above or the following list: ARTH/ASIA 153, 266, 273, 456; ASIA 122, 163, 164, 224, 228, 231, 232, 261, 262, 331, 332, 333, 453, 692H; ASIA/HIST 135, 136; ASIA/RELI 285, 382 (pending approval), 383 (pending approval), 581, 582, 583; ASIA 300/RELI 283; HNUR 407, 408, 410, 490 -; $^{\text {; HNUR/RELI 592; RELI 381, 481, } 582}$


## Biology Major, B.S.

This program is designed for students who intend to continue graduate study in biological or health sciences.

## Core Requirements

- BIOL 101/101L (gateway course, with a C grade or better in BIOL 101)
- BIOL 201, 202, and 205 (the core courses)
- One organismal structure and diversity course chosen from 271/271L, 272, 273, 274/274L, 277/277L, 278/278L, 279/279L, 471/471L, 472, 473/473L, 474/474L, 475, 476/476L, 478, 479/479L, or 579
- Four biology electives (each of three or more credits) numbered above 205 (not including 213, 291, 292, 293, 294, 296, 353, and 495), at least two of them with a laboratory. A total of six hours from BIOL 295, 395, and/or 692H count as a laboratory course requirement. One additional elective may consist of a total of three hours of courses numbered above 600 (not including BIOL 692H).
- At least two courses out of the five courses (four electives and one organismal course) must be numbered above 400 (not including BIOL 501 and 692H).


## Biology Major, B.S.-Quantitative Biology Track

This program is designed for students with a strong interest in a multidisciplinary approach to biological problems in preparation for graduate study in biological or health sciences.

## Core Requirements

- BIOL 101/101L (gateway course, with a C grade or better in BIOL 101)
- BIOL 201, 202, and 205 (core courses for biology majors)
- Two laboratory courses. One must be a quantitative laboratory chosen from BIOL 226/226L, $452 / 452 \mathrm{~L}, 525 / 525 \mathrm{~L}, 526,527 / 527 \mathrm{~L}$, or 528 . The other can be any biology laboratory course, including two semesters of BIOL 395.
- A choice of three biology electives (each of three or more credits), of which at least two quantitative electives must be chosen from BIOL 226*, 431, 452*, 454, 465, 525*, 526*, 527*, $528^{*}, 542,551,562,563$, or 642 (*asterisked courses cannot count as both a quantitative laboratory and a quantitative elective). A total of six hours from BIOL 295, 395, and/or 692H count as a laboratory course requirement. One additional elective may consist of a total of three hours of courses numbered above 600 (not including BIOL 692H).


## Biology Major, B.A.

This program is designed to provide greater flexibility than the B.S. in meeting broad student interests.

## Core Requirements

- BIOL 101/101L (gateway course, with a C grade or better in BIOL 101)
- BIOL 201, 202, and 205 (the core courses)
- One organismal structure and diversity course chosen from 271/271L, 272, 273, 274/274L, 277/277L, 278/278L, 279/279L, 471/471L, 472, 473/473L, 474/474L, 475, 476/476L, 478, $479 / 479 \mathrm{~L}$, or 579
- Three biology electives (each of three or more credits) numbered above 205 (not including 213, $291,292,293,294,296,353$, and 495), at least one with a laboratory. A total of six hours from BIOL 295, 395, and/or 692H count as a laboratory course requirement. One additional elective may consist of a total of three hours of courses numbered above 600 (not including BIOL 692H).
- At least one course out of the four courses (three electives and one organismal course) must be numbered above 400 (not including BIOL 501 and 692H).


## Biology Allied Science Electives

## All allied science elective courses need to have a minimum of three credit hours.

- ANTH 143, 148, 298, 315, 317, 318, 412, 414, 415, 416, 470, 623
- Any ASTR course above 99
- Any BIOL course above 101, except BIOL 213, 291, 292, 294, 296, and 495
- BMME 510
- Any BIOS course
- Any CHEM course above 101
- Any COMP course above 100, except COMP 380
-ENEC 202, 256, 403, 406, 410, 411, 415, 471, 489
-EXSS 175, 276
- GEOG 110, 111, 112, 253, 445
- Any GEOL course above 100
- Any MASC course above 100
- Any MATH course above 110, except MATH 129P
- MCRO 251, 255
- NUTR 240
- PHIL 155
- Any PHYS course above 99, except 132
- PHYI 202
- PSYC 101, 210, 220, 222, 225, 230, 400, 401, 402, 403
- Any STOR course above 151
- SPHS 570


## Communication Studies Major, B.A.

## Core Requirements

- Three courses from the following with a grade of C or better in each: COMM 120, 140, 160, or 170
- Four COMM courses in a concentration
- Three COMM electives
- A minimum of 10 COMM courses, except for those students pursuing the new media option in the media and technology studies and production concentration described below
- Three COMM courses must be numbered 400 or higher.

A maximum of 15 COMM courses (45 hours) may be applied toward the B.A. degree.
Students are invited to work closely with faculty in courses and through independent study, cocurricular programs, and research projects. Many courses are also open to nonmajors whose personal and professional goals require an understanding of human communication (consult course descriptions for restrictions).

## Pre-Selected Concentrations in Communication Studies

Students should select one of the following concentrations and take a minimum of four courses within that concentration. Core courses do not count as one of the four required courses within the selected concentration. Additional courses that are not listed under any concentration may be used to meet major requirements.

- Interpersonal and Organizational Communication (COMM/MNGT 120 is a prerequisite for most of the interpersonal and organizational communication courses; consult course descriptions): COMM 226,312, 390 (based on topic), 411, 422, 423, 490 (based on topic), 521, $523,524,525,526,527,610,620,624,625,690$ (based on topic); COMM/MNGT 223, 325; COMM/WMST 224
- Media and Technology Studies and Production (COMM 140 is a prerequisite for most of the media studies courses; consult course descriptions): ARTS/COMM 636; COMM 130, 142, 150, $230,249,251,330,390$ (based on topic), 411, 412, 413, 431, 432, 450, 452, 453, 454, 490 (based on topic), 534, 545, 546, 547, 548, 549, 550, 551, 553, 635, 638, 645, 646, 647, 650, 652, 653, 654, 655, 681, 682, 683, 690 (based on topic); COMM/WMST 345, COMM 436/WMST 437. Please note that enrollment in advanced media and technology production classes is limited, and many production classes have prerequisites.
- New Media: Students wishing to pursue the new media option in the media and technology studies and production concentration should consult the departmental advisor. In addition to the preliminary core requirements (including COMM 140) above, students must take COMM 150 and COMP 110, as well as two approved courses from the Department of Computer Science (COMP) or the School of Information and Library Science (INLS). The remaining three classes will be COMM classes above 400. Recommended COMM classes include ARTS/COMM 636; COMM 431, 490 (based on topic), 638, 646, 650, 654, 690 (based on topic). Recommended cross-disciplinary classes include COMP 180, 185, 380, 382, and 416; and INLS 151, 161, 201, 318, 558, 560 , and 572.
- Performance Studies (COMM 160 is a prerequisite for most of the performance studies courses; consult course descriptions): COMM 260, 262, 263, 364, 365, 390 (based on topic), $411,435,437,463,464,466,490$ (based on topic), 532, 563, 564, 566, 568, 660, 661, 662, 664, 665, 667, 668, 690 (based on topic), 695; COMM/DRAM 666; COMM 362/FOLK 565; COMM/FOLK/HIST/WMST 562; COMM/WMST 561
- Rhetorical Studies (COMM 170 is a prerequisite for most of the rhetorical studies courses; consult course descriptions): COMM 171, 312, 371, 372, 374, 390 (based on topic), 470, 471, 472,490 (based on topic), 500, 571, 572, 573, 575, 576, 577, 675,690 (based on topic); COMM/ENEC 375; COMM/PWAD 355, 376, 574


## Comparative Literature Major, B.A.-International Literature Track

To major in comparative literature is to explore major works of literature, film, and theory from across the world, crossing disciplinary as well as national, cultural, and linguistic boundaries. Majoring in comparative literature enables students to acquire a broad, liberal arts-based education and equips them to live, work, and communicate in a multicultural world.

## Core Requirements

- One course from Great Books I (CMPL courses numbered between 120 and 129)
- One course from Great Books II (CMPL courses numbered between 130 and 142139)
- CMPL 250 or 251
- Four CMPL courses 200 level or higher
- CMPL 697
- Two literature courses (200 level or higher) taught in a foreign/classical language, chosen from the following list. (We recommend that these courses be in the same language.)
- ARAB: 305, 306, 308, 407, 408, 496, 681
- CHIN: 306, 313, 407, 408, 414, 442, 490, 496, 510, 511, 525, 532, 590
- FREN: 260, 312, 332H, 370-372, 375, 376, 380-382, 387, 390, 427, 438, 484, 489, 490, 504, 505, 513, 522, 530, 561, 575, 576, 583, 585, 590, 611, 613, 615-617, 622, 630, 661, 670, 683, 685,687
- GERM: 303, 325, 330, 349, 350, 370-374, 380-383, 502
- GREK: 205, 221, 222, 351, 352, 396, 409, 508-510, 540, 541

ㅇITAL: 333, 335, 343, 345, 370, 371, 382, 398, 511, 512
-JAPN: 305, 306, 408-412, 451, 482

- LATN: 205, 221-223, 331-335, 351-354, 396, 511-514, 530, 540, 541
- PORT: 385, 387, 501-504, 535
-RUSS: 250, 431, 432, 441, 442, 460, 463-465, 471, 473, 479, 560
-SPAN: 260, 262, 371-373, 379-389, 398, 613, 614, 617, 620, 625, 630, 650
Students wishing to count literature courses not listed above toward the major are encouraged to consult the d Director of uUndergraduate sStudies.
- Three courses (200 level or higher) in a foreign/classical language department. (These do not need to be in the same langrage.)
- Three CMPL courses 200 level or higher
- CMPL 697

Additional Requirements

- Foreign language through level 4


## Comparative Literature Major, B.A.-International Film LiteratureGlobal Cinema Studies Track

## Core Requirements

- One course from Great Books I (CMPL courses numbered between 120 and 129)
- CMPL 142 Visual Culture II(CMPL 142)
- CMPL 143 or IDST 256
- CMPL 240 (pending approval), 250, or 251
- CMPL 697
- ENGL 142
- Four courses in film, 200 level or higher, chosen from the following list: AAAD 250, 396; AMST 268, 336, 483; ARAB 453; ASIA 224, 333, 435; ASIA/CMPL 255, 379; ASIA/FREN 451; CHIN 464; CMPL 254, 257, 280, 375, 382, 420, 463, 494; CMPL/EURO/FREN 332H; COMM 450, 452, 546, 547, 566; COMM/WMST 345, COMM 436/WMST 437; ENGL 380, 381, 389, 410, 580, 680, 682; ENGL/WMST 665; EURO/SPAN 362; FREN 373; GERM 265, 275; GERM/WMST 250; HUNG 280, 411; ITAL 333, 335, 340; PLSH 280; PORT 388; RUSS 281; SLAV 281; SPAN 361, 388; WMST 285

Additional Requirements

- Foreign language through level 4
- One course from Great Books I (CMPL courses numbered between 120 and 129)
- One course from Great Books II (CMPL courses numbered between 130 and 139)
- CMPL 143 or IDST 256
- CMPL 250 or 251
- CMPL 697
- ENGL 142
- Four courses in film 200 level or higher chosen from the following list: AAAD 250, 396;

AMST 268, 336, 483; ARAB-453; ASIA 333, 435; ASIA/CMPL 255, 379; ASIA/FREN-451; CHIN 464; CMPL 254, 280, 382, 420, 463, 494; CMPL/EURO/FREN 332H; COMM 450, 452,

## Additional Requirements

- Foreign language through level 4


## Computer Science Minor

A student may minor in computer science by completing five courses within these restrictions:

- COMP 401, 410, and 411
- COMP 410 or 414
- Any three additional COMP courses above COMP 400Any two additional COMP courses from the following list: COMP 283, 426, 431, 521, and 550.

A grade of C or better is required in at least 12 hours of the minor courses. Alternatives to these requirements must be approved by the director of undergraduate studies.

Students with the appropriate prerequisites (for example, from a mathematics major) may include COMP 283; MATH 381, 566; and STOR 215 in their selection of courses. A grade of C or better is required in at least 12 hours of the minor courses. Including "topies" courses such as COMP 590 requires approval of the undergraduate studies committee in the computer seience department. Alternatives to these requirements must be approved by the undergraduate studies committee. No course may be counted for both the computer science minor and any major.

## Environmental Studies, B.A.

## Core Requirements

- ENEC 201 and 202
- ENEC 307 and 698
- One of the following courses: BIOL 201; ENEC 222, 489; ENEC/ENVR 403; ENEC/GEOL 213, 324 and 324L; ENEC/MASC 448; GEOG 412; GEOL 110
- One of the following courses: GEOG 370, 477, or 491
- Five courses chosen from one of the following concentrations:


## Ecology and Society

ANTH 226, 238, 318, 320, 439; ANTH/ENEC 238, 460; BIOL 201, 272, 277, 402, 427, 461, 463, 464, 465, 469, 561, 565, 567; BIOL/ENEC 256, 461, 562; ENEC 222, 304, 352, three hours of 395 , three hours of 396 -rr $694 \mathrm{H}, 462,479,489,491$ (pending approval), and 693 H or 694 H ; ENEC/GEOG 264; ENEC/GEOL 324; ENEC/GEOL/MASC 450; ENEC/MASC 433 (pending approval), 441, 444, 448, 471; ENEC/PLAN 641 (pending approval)ENEC/PLCY 372, 520; ENEC/POLI 254; GEOG 228, 232, 261, 423, 434, 444, 470, 597

## Energy and Sustainability

BUSI 507; ENEC 208, 325225, 306, 350, 370, 393, 395, 396, 482, 485, 491 (pending approval), 492, 581, 586, 685, and 693H or 694H; ENEC/ENVR/PLAN/PLCY 585, 686; ENEC/GEOL 324; ENEC/JOMC 565; ENEC/PLAN 330, 420, 547 (pending approval); ENEC/PLCY 480; GEOG 237, 414, 441; PHYS 131; PLAN 246, 247, 641

## Environmental Behavior and Decision Making

ANTH 422, 539; BIOL/MATH 452; BUSI 507; COMM/ENEC 375,-675; ENEC 325z25, 305, $306,309,312,350,351,380,395,396,462,474,485,580,581,586,491$ (pending approval), 492, 675, 685, and 693H or 694H; ENEC/ENVR 470; ENEC/ENVR/PLAN/PLCY 585; ENEC/GEOL 324; ENEC/JOMC 565; ENEC/PLAN 547 (pending approval); ENEC/PLCY 372, 475 (pending x-list approval), 480; ENEC/POLI 254; GEOG 237, 435, 470; PLAN 641; PLCY 475

## Population, Environment, and Development

ANTH 238, 318, 319, 439, 459, 539; ANTH/ENEC 238; ENEC 325225, 266, 350, 351, 370, $380,395,396,485,491$ (pending approval), 492, 580, and 693H or 694H; ENEC/GEOL 324; ENEC/PLCY 475 (pending x-list approval), 520; ENVR 600; GEOG 237, 269, 445, 450, 452, 457, 470; PLCY 475

All General Education requirements must be satisfied, some with specific courses:

- BIOL 101/101L (Approaches physical and life sciences with laboratory requirement)
- CHEM 101/101L or PHYS 104 or 114 (Approaches physical and life sciences requirement)
- CHEM 102/102L or PHYS 105 or 115
- ECON 101 (Approaches social and behavioral sciences requirement)
- ECON 400 or STOR 155 (Connections quantitative intensive requirement)
- ENEC/PHIL 368 recommended (Approaches philosophical and moral reasoning requirement)
- MATH 231 (Foundations quantitative reasoning requirement)


## Environmental Science, B.S.

## Core Requirements

- ENEC 201 and 203
- ENEC 698
- TwoThree of the following earth systems courses: BIOL 201; ENEC 202; ENEC 222 or ENEC 489 or ENEC/MASC 448; ENEC/ENVR 403; ENEC/GEOL 324 + 324L; ENEC/GEOL 213 or GEOL 110
- FiveFour courses chosen from one of the following concentrations:


## Water and Climate

BIOL 350/ENVR 417/GEOL 403/MASC 401; ENEC 222; ENEC/ENVR 403; ENEC/GEOG 253; ENEC/GEOL 211, 213, 324, 417; ENEC/GEOL/MASC 411, 415, 450; ENVR 413, 415, 416, 419, 453; GEOG 370, 412, 414, 416; GEOG 440/GEOL 502; GEOL 202, 417L, 432, 508, 509, 510; GEOL/MASC 430, 483, 503, 506; MASC 312, 314, 390, 432, 460, 490

## Ecology and Natural Resources

BIOL 201, 272, 277/277L, 402, 463, 464, 465, 469, 471/471L, 476/476L, 561, 565, 568;
BIOL/ENEC 256, 461, 562, 563; BIOL 462/MASC 440; BIOL 657/ENVR 520/MASC 504;
ENEC 222, 304, 352, 370, 462, 479, 485, 489; ENEC/GEOG 264; ENEC/GEOL 324;
ENEC/GEOL/MASC 450; ENEC/MASC 441, 444, 448, 471; ENVR 449; GEOG 444; MASC 443, 445

## Energy and Sustainability

ENEC 325225, 306, 307, 350, 380, 431, 479, 482, 485, 580, 581, 586, 685; ENEC/ENVR 403;
ENEC/ENVR/PLAN/PLCY 585, 686; ENEC/GEOL 324; ENEC/GEOL/MASC 415;
ENEC/PLAN 547 (pending x-list approval); ENEC/PLCY 480; ENVR 451; GEOL 215; PHYS 131/131L

## Environment and Health

BIOL 402, 568; BIOL/PATH 128; ENEC 222; ENEC/ENVR 403, 522; ENEC/GEOL 324; ENEC/MASC 444; ENVR 412, 413, 416, 419, 421, 430, 431, 442, 451, 600; EPID 600; MASC 443

## Additional Requirements

- BIOS 600 or STOR 155
- CHEM 102 and 102L
- COMP 116
- MATH 233
- PHYS 116 and 117, or PHYS 118 and 119, or PHYS 104 and 105 with approval from the major adviser, or PHYS 114 and 115
- Two courses from one of the following options:
- BIOL 202 and CHEM 261
- ENEC 415, MASC 460, and MATH 383, MATH 564
- ENEC 562; STOR 455, 456
- GEOG 370, 477, 491, 577, 591, 592
-Students are required to earn a minor in an allied science, such as biology, chemistry, computer science, geography, geology, information and library science, marine science, mathematics, mathematical decision sciences, or physics.

All General Education requirements must be satisfied, some with specific courses:

- BIOL 101 and 101L (Approaches physical and life sciences with laboratory requirement)
- CHEM 101 and 101L (Approaches physical and life sciences requirement)
- ECON 101 recommended (Approaches social and behavioral sciences requirement)
- ENEC/PHIL 368 recommended (Approaches philosophical and moral reasoning)
- MATH 231 (Foundations quantitative reasoning requirement)
- MATH 232 (Connections quantitative intensive requirement)


## Interdisciplinary Studies Major, B.A.-Cultural Studies

## Core Requirements

- COMM 350 Practices of Cultural Studies
- One course on matters of social/cultural difference/diversity such as ANTH 380, COMM 318, or RELI 323
- Six-Seven additional courses approved by a faculty advisor (appointed by director in consultation with student)

Students are strongly encouraged to take at least one course on matters of social/cultural difference/diversity such as ANTH 380, COMM 318, or RELI 323. Students are also strongly encouraged to take at least one elass-course on contemporary theory such as COMM 412.

Students are required to take classes in at least three departments. No more than four courses (12 hours) in the same department may count toward the major. A student should strengthen his or her course of study by choosing Approaches, Connections, and elective courses that complement courses in cultural studies.

## Marine Sciences Minor

To fulfill the requirements for the marine sciences minor, a student should take four courses, as follows:

- One course emphasizing global oceanic processes: MASC 101 or 401 (students may not receive credit for both MASC 101 and 401)
- One course emphasizing the coastal ocean: ENEC 222; MASC 55, 58, 220, 223, 411, 430, 432, 433 (pending approval), $440,442,448,471,472$; or an equivalent course with a focus on the coastal ocean and approved by the director of undergraduate studies
- One course featuring practical experience in marine sciences. Choose one from the following four groups:
- ENEC 222; MASC 52, 220, 223, 430, 432, 448, 471, 472, 503, 504; or an equivalent field course approved by the director of undergraduate studies
- MASC 415, 480, 483, 561, or an equivalent mathematical modeling or data analysis course approved by the director of undergraduate studies
- MASC 431, 444, 445, or an equivalent laboratory course approved by the director of undergraduate studies
- Undergraduate research (MASC 395) or independent study (MASC 396).
- A marine sciences course of the student's choosing


## Music Major, B.A.

The B.A. requires at least 33 credit hours in music and at least 75 outside the major, with 120 total credit hours in the degree. Given the ample opportunity to explore the breadth of the University's course offerings, many B.A. candidates seek minors in other fields or take on a second major.

## Core Requirements

- Foundations (three hours): MUSC 120
- Music history (six hours): MUSC 254 and 255
- Music theory (six hours): MUSC 131 and 132
- Capstone seminar (three hours): one of MUSC 233, 234, 331, 332, 333, 338, 355, 363
- Musicianship (two hours) chosen from MUSC 100-107, 111-115100-115, 130, 133, 136, 166, 168, 200-207, 230, 236, $300-309$
- Ensemble performance (four hours) chosen from MUSC 211 or 212


## Additional Requirements

- Global music requirement (at least one hour): Within the required courses, ensembles, or electives, students must take at least one of the ensembles or courses that engage primarily with repertoires or concepts outside the tradition of Western art music, chosen from MUSC 146, 147, 148, 212 (in an appropriate ensemble: Gamelan, Global Rhythms, Charanga Carolina)212.008, $212.009,212.012,234,240,245,258,291,292$ (pending approval), or any other appropriate departmental course or ensemble (including MUSC 286,355) approved by the director of undergraduate studies.
- Music electives (nine hours) chosen from MUSC courses: No more than three additional hours of ensembles beyond the B.A. requirement (four hours) may count for music or general elective credit.

Students may receive no more than 45 credit hours in music and must complete a minimum of 75 hours of coursework outside music, including all General Education requirements.

## Music Major, Bachelor of Music (B.Mus.)

The B.Mus. is designed for those seeking a degree that offers a more extensive component in performance, history, ethnomusicology, theory, composition, or music education; it requires students to complete 63 credit hours in music and at least 54 outside the major for a total of 120 total credit hours.

## Core Requirements

- Foundations (three hours): MUSC 120
- Music history (six hours): MUSC 254 and 255
- Music theory (nine hours): MUSC 131, 132, and 232
- Capstone seminar (three hours): one of MUSC 233, 234, 331, 332, 333, 338, 355, 363
- Musicianship (three hours): MUSC 130, 133, and 230
- Individual Lessons (14 hours): chosen from MUSC 200-207 taken over seven semesters (or the equivalent for students whose primary focus is composition; see below). Students may petition the director of undergraduate studies to count toward this requirement no more than two hours of MUSC 100-107. Two of these 14 hours may be substituted by three of MUSC 300-306. Students wishing to take an eighth semester of individual lessons may use an additional two hours of MUSC 200-207 or three of MUSC 300-306 for elective credit. In any case, MUSC 300-306 may only be taken twice within the program.
- Ensemble performance (eight hours): chosen from MUSC 211 (at least five hours), 212.
- Keyboard skills (two hours) chosen from MUSC 100, 110,136, 200 (with the approval of the director of undergraduate studies), 236


## Additional Requirements

- Global music requirement (at least one hour): Within the required courses, ensembles, or electives, students must take at least one of the ensembles or courses that engage primarily with repertoires or concepts outside the tradition of Western art music, chosen from MUSC 146, 147, 148, 212 (in an appropriate ensemble: Gamelan, Global Rhythms, Charanga Carolina)212.008, $212.009,212.012,234,240,245,258,291,292$ (pending approval), or any other appropriate departmental course or ensemble (including MUSC 286,355) approved by the director of undergraduate studies.
- Music electives (15 hours) chosen from MUSC courses: No more than six additional hours of ensembles beyond the B.Mus. requirement (eight hours) may count for music or general elective credit.

Students pursuing the B.Mus. must complete at least 63 credit hours in music, which is combined with an additional 57 credit hours for a total of 120 credit hours. Students may receive no more than 66 credit hours in music and must complete a minimum of 54 credit hours of coursework outside music, including all General Education requirements.

Students who wish to gain certification to teach music in public schools may take a prescribed course of study as part of the bachelor of music degree and apply to the music education licensure program offered through the School of Education. Admission to the music education licensure program requires a separate application to the School of Education (usually submitted during the spring of the first year) and candidates must
meet North Carolina Department of Public Instruction licensure standards and be able to complete the course of study prior to spring of their senior year. Students who complete the program are eligible for North Carolina initial-level licensure.

## Music Minor

The minor in music requires 15 hours as follows:

- MUSC 120 (three hours)
- One of MUSC 121, 131, 141-158, or 188 (three hours)
- MUSC 121 (three hours; may be substituted by MUSC 131 for qualified students)
- One of MUSC 141 158 or 188 (three hours)
- One of MUSC 240, 248, 251, 280-2920,-아 363 , or 390 H 290 H (three hours)
- The remaining six hours are to be taken from other MUSC courses; (which may include individual lessons or ensembles) subject to prerequisites and other admissions requirements.
individual applied instruction, or ensembles offered in the department, subject to prerequisites and other admissions requirements, and to the approval of the director of undergraduate studies.


## Physics and Astronomy Major, B.A. - Astronomy Option

## Core Requirements

- PHYS 118 (gateway)
- PHYS 119, 201 or 401, 211 or 311, 281L, and 331
- Six additional credits chosen from ASTR (numbered above 300)
- Three additional credits chosen from ASTR (numbered above 300); PHYS 231, 295, 395, 585, 691H, 692H


## Additional Requirements

- ASTR 101, 101L or 111L, 102, and 301
- MATH 231, 232, 233, and 383


## Physics and Astronomy Major, B.S. - Standard Option

## Core Requirements

- PHYS 281L, 311, 321, 331, 351, 358, 395 (optional for UNC BEST students), 401, 412, 441, 481L, and 521
- PHYS 395 or 692 H (optional for UNC-BEST students)
- Twohree additional courses chosen from ASTR (numbered above 300); ENGL 303; MATH 528, 529; PHYS 231 and any PHYS course numbered above 300


## Additional Requirements

- CHEM 101/101L and 102/102L
- MATH 231, 232, 233, and 383
- PHYS 118 and 119


## Physics and Astronomy Major, B.S. - Astrophysics Option

## Core Requirements

- ASTR 519
- PHYS 281L, 311, 321, 331 (with project on an astrophysics topic), 351, 358395, 401, 412, 441, and 521
- PHYS 395 or 692H (optional for UNC-BEST students)
- OneTwe additional courses chosen from ASTR (numbered above 300); ENGL 303; PHYS 231
- One additional course chosen from ASTR (numbered above 300); ENGL 303; MATH 528, 529; PHYS 231 or any PHYS course numbered above 300


## Additional Requirements

- ASTR 102 and 301
- CHEM 101/101L (CHEM 102/102L are recommended but not required)
- MATH 231, 232, 233, and 383
- PHYS 118 and 119

As part of these course requirements, candidates for the B.S. degree must earn grades of C (not C-) or better in at least 18 credit hours of courses that are listed under Core Requirements.

It is strongly recommended that students planning to major in physics fulfill the Foundations requirement in English composition and rhetoric by enrolling in ENGL 105I Writing in the Natural Sciences.

Most students will find it advantageous to defer some of the General Education requirements to the junior and/or senior year(s).

## Religious Studies Major, B.A.

## Core Requirements

-RELI 697

- Two RELI courses numbered 400 or above, including courses cross-listed with other units
- Six RELI courses, including courses cross-listed with other units

Of the nine courses required in the major, students must take at least one course in each of three of the department's subfields.

Ancient Mediterranean Religions: CLAR/JWST/RELI 110, 512; CLAR/RELI 375; FOLK/RELI 502; JWST/RELI 103, 106, 206, 503; RELI 63, 65, 70, 104, 105, 109, 117, 201, 207, 208, 209, 211, 212, 217, 302, 390 (based on topic), 411, 412, 413, 590 (based on topic), 602, 603, 605, 607, 608, 617

Asian Religions-Islamic Studies: ANTH/ASIA/RELI 574; ARAB/ASIA/RELI 681; ASIA/RELI $180,181,183,248,284,285,487,488,489,581,582,583,584$; ASIA 300/RELI 283, ASIA 301/RELI 286, ASIA 302/RELI 287, ASIA 303/RELI 288; HNUR/RELI 592; PWAD/RELI 481; RELI 64, 73, 165, 184, 185, 248, 289, 381, 385, 390 (based on topic), 480, 485, 524, 580, 585, 586, 590 (based on topic)

Medieval and Early Modern/Historical Studies: ASIA/RELI 180, 284, 488, 581; ASIA 301/RELI 286; ASIA 303/RELI 288; GERM/RELI 218; HIST/RELI 454; RELI 62, 77, 88, 108, $161,162,163,164,165,166,209,266,365,366,367,390$ (based on topic), 450, 565, 566, 569, 586, 590 (based on topic), 617, 662, 665, 668; RELI/SLAV 463; RELI/WMST 362, 371

Religion and Culture: ANTH/FOLK/RELI 428, 688; CMPL 270/GERM 270/JWST 239/RELI 239; JWST 100/RELI 123, JWST/RELI 343; PHIL 134/RELI 126; RELI 61, 67, 68, 71, 74, 75, $76,85,101,102,121,122,125,127,134,135,138,222,225,232,235,236,246,322,323,325$, 338, 390 (based on topic), 421, 425, 438, 522, 524, 525, 528, 530, 534, 590 (based on topic); RELI 234/SOCI 140, RELI/SOCI 429; RELI/WMST 244, 424

Religion in the Americas: ANTH/FOLK/RELI 342; ASIA/RELI 445; JWST/RELI 107, 143, 243, 444; RELI 60, 66, 69, 72, 140, 141, 142, 151, 235, 240, 241, 242, 245, 246, 248, 282, 332, $338,340,345,390$ (based on topic), 423, 441, 442, 443, 446, 540, 541, 542, 580, 590 (based on topic)

Introductory and intermediate language courses (RELI 401, 402, 403, 404, 409, 410) are recommended for their usefulness but do not count toward the major in religious studies.

## Romance Languages Major, B.A.-Hispanic Literatures and Cultures

## Core Requirements

- SPAN 260 (gateway) or 262 (for heritage speakers)
- SPAN 300 or 326 (for heritage speakers)
- SPAN 330, 331, 335, 340, 344, or 345
- SPAN 350, 369, 375, 376, 377, 378, 403, 678, or 682
- Two courses chosen from SPAN 371, 372, and 373
- One additional literature course, which can be either the survey course not chosen from among SPAN 371, 372, and 373 or any literature course from the list below (preferably but not necessarily in the area of the survey courses not chosen)
- Two courses chosen from any of the previous lists or from the following courses: SPAN 333, $348,361,362,379,380,381,382,383,384,385,386,387,389,394,395,397,398,414,415$, 613, 614, 617, 620, 625, 650

Note: SPAN 401, 402, 404, 405, 601, and 602 do not count toward the major.

## Sexuality Studies Minor

The minor in sexuality studies coordinates scholars and students from a range of disciplines to study, teach, and create knowledge about human sexuality in its myriad functions and forms. The minor consists of five courses. Where appropriate, courses taken at Duke University or with a study abroad program also may count toward the minor. The five courses required for the minor must include at least one core course and involve work in at least three different departments or curricula. As an example, a minor in sexuality studies could be constructed from WMST 111, AMST 269, HIST 358, HIST 467, and WMST 101, for a minimum of 15 hours from at least three departments or curricula.

- Core courses (at least one of the following): COMM 549, ENGL/WMST 140, HIST 566, RELI/WMST 244, SOCI/WMST 124, WMST 111
- Additional courses: AAAD 232/WMST 266; AMST 269, 371; ANTH 442, 443; ANTH/FOLK 473; ANTH/LING/WMST 302; ANTH/WMST 277, 458; ARTH 53, 586; ASIA 235; ASIA/ECON 469; CLAS/WMST 242; CMPL 254, 453, 468, 478, 487; COMM 413, 548, 549, 652; ENGL 264, 287, 365, 384, 661, 664; ENGL/WMST 140, 363, 665, 666; FREN 285; HIST 358, 398 (with approval, based on topic), 467, 535, 566; HIST 361/WMST 360, HIST
475/WMST 476, HIST/WMST 479; JAPN 161; JWST/RELI 444; PLAN 52/WMST 51;
POLI/WMST 218, 265; PUBH 423; RELI 450; RELI/WMST 244, 424; RUSS 273, 277;
SOCI/WMST 124; WMST 101, 231, 285, 294, 388, 410, 550, 553, 610


## Studio Art Major, B.A.

## Core Requirements

- ARTS 101
- Three studio art foundation courses: ARTS 102, 103, and 106
- One Tier I studio art course: ARTS 104, 105, 116, 233, or 243 , or 253 (pending approval)
- ARTS 300
- One Tier II studio art course: ARTS 202, 203, 206, 208, 213, 214,223, 290, 305, 324, 328, 348, 355 (pending approval), 356 or 358
- One Tier III studio art course: ARTS 302, 303, 305, 307,313, 314, 338, 348, 356, 368, 402, $403,405,407,410,413,415,416,417,418,423,428,493,515,5960$, or 636
- Four studio art electives: any Tier I, II, or III courses, ARTS 500, an art history course, firstyear seminar, or internship (ARTH 293). Only three credits of senior honors thesis can count in the major.


## Studio Art Major, Bachelor of Fine Arts (B.F.A)

## Core Requirements

- ARTS 101
- Three studio art foundation courses: ARTS 102, 103, and 106
- Two Tier I studio art courses: ARTS 104, 105, 116, 233, or 243 , or 253 (pending approval)
- ARTS 300
- Two Tier II studio art courses: ARTS 202, 203, 206, 208, 213, 214, 223, 290, 305, 324, 328, 348, 355 (pending approval), 356, or 358
- Three Tier III studio art courses: ARTS 302, 303, 305, 307, 313, 314, 338, 348, 356, 368, 402, $403,405,407,410,413,415,416,417,418,423,428,493,515,59 \underline{6}$, or 636
- Five studio art electives: any Tier I, II, or III courses, first-year seminar, or internship (ARTH 293). Students can include an additional art history course in place of one studio art course. Students can count up to six hours of senior honors thesis credit.
- Two art history courses, one must have a contemporary focus chosen from ARTH 159, 255, 283, 285, 302, 385, 387, 468, 488, 553, 554, 555, 586
- ARTS 500


## Studio Art Major, B.F.A.-Art History Emphasis

## Core Requirements

- Three studio art foundation courses: ARTS 102, 103, and 106
- One Tier I studio art course: ARTS 104, 105, 116, 233, of 243 , or 253 (pending approval)
- One Tier II studio art course: ARTS 202, 203, 206, 208, 213, 214, 223, 290, 305, 324, 328, 348, 355 (pending approval), 356, or 358
- One Tier III studio art course: ARTS 302, 303, 305, 307,313, 314, 338, 348, 356, 368, 402, $403,405,407,410,413,415,416,417,418,423,428,493,515,5960$, or 636
- Four studio art electives: any Tier I, II, or III courses, first-year seminar, or internship (ARTH 293). Students can count senior honors thesis credits (up to six hours) as studio or art history electives or split between the two, depending on the nature of the thesis project.
- ARTS 500
- Art history emphasis: nine art history courses: two art history survey, plus seven courses numbered from 200 to 699 , two of which must be numbered above 400


## Studio Art Minor

Students majoring in another department may elect to pursue a minor in studio art. The minor consists of five courses at different levels. Students minoring in studio art may choose from a broad selection of courses including drawing, painting, ceramics, sculpture, print-making, digital media, special topics, mixed media, and photography. Art history majors may not pursue a studio art minor.

The undergraduate minor in studio art consists of five courses (15 credit hours).

- Choose one studio art foundation course: ARTS 102, 103, 106
- Choose one Tier I studio art course: ARTS 104, 105, 116, 233, 243, or 253 (pending approval)
- Choose one Tier II studio art course: ARTS 202, 203, 206, 208, 213, 214, 223, 290, 305, 324, 328, 355 (pending approval), 356, 358
- Choose one Tier III or upper-level studio art course: ARTS 302, 303, 305, 307,313, 314, 338, $348,356,368,402,403,405,407,410,413,415,416,417,418,423,428,515,5960,636$


## Sustainability Studies Minor

The program provides an understanding of sustainability, a unifying approach to human and environmental problems. Sustainable businesses, communities, and other organizations seek to design systems in ways that optimize material and energy use to decrease environmental and health problems and to bolster economic vitality and social equity. A growing number of scholars are framing problems and solutions in the language of sustainability, which balances growth and development with justice and environmental stewardship, in order to meet today's needs without undermining the ability of future generations to do the same.

- ENEC 204, 210, or 593
- ENEC 330 or 431 (If both are taken, the second course may satisfy the elective requirement.)
- ENEC 393 or 493 (for at least three credits) or 698
- Three elective courses chosen from BUSI 507; COMM/ENEC 375,675; ENEC 201, 202, 220, 325225, 305, 306, 307, 350, 351, 370, 405, 462, 474, 479, 490, 510, 567, 675; ENEC/ENVR 470, 522; ENEC/ENVR/PLAN/PLCY 686; ENEC/GEOG 264; ENEC/GEOL 213, 324; ENEC/JOMC 565; ENEC/MASC 448, 471; ENEC/PLAN 420, 547 (pending x-list approval), 641 (pending x-list approval); ENEC/PLCY 372, 480, 520; ENVR 600; GEOG 237, 370, 420, 434; GEOL/MASC 223; PHYS 131/131L; PLAN 246, 247, 636; PLCY 360

The minor requires a minimum of 16 credit hours. Students who major in the curriculum's B.A. or B.S. degree programs are not allowed to minor in sustainability studies.

## Women's and Gender Studies Major, B.A.

## Core Requirements

- Four intellectual and theoretical foundations courses: WMST 101, 202, 695 or 691 H (offered in the fall semester only), and one course on minority/Third World/non-Western women or gender chosen from the following: AAAD/WMST 200, 386; AAAD 232/WMST 266; ANTH/WMST

277; ASIA/GEOG/WMST 447; ASIA/HIST/WMST 537; COMM/WMST 561; ENGL/WMST 665, 666; HIST/WMST 280, 569, 576; JAPN/WMST 381, 384; PLAN/WMST 662; SPAN/WMST 620; WMST 64, 211, 233, 281, 583283, 285, 289, 337, 350, 352, 465365, 368, 388, 410, 553, 610

- Three interdisciplinary perspectives courses ( 9 hours) chosen from at least two of the following three categories:
- Historical studies: AAAD 201; AAAD/WMST 200; AMST/JWST/WMST 253;

ASIA/HIST/WMST 537; CLAS/WMST 240, 241, 242; COMM/FOLK/HIST/WMST 562; HIST 354/PWAD 354/WMST 353, HIST/PWAD/WMST 517; HIST/WMST 258, 259, 264, 280, 375, 479, 500, 501, 568, 569, 576; WMST 337237, 583283, 289, 560

- Humanities and fine arts: ANTH/LING/WMST 302; ANTH 537/FOLK 537/WMST 438; ARTH/WMST 254, 451; ASIA/CMPL/WMST 380; CMPL 374/WMST 373; COMM/WMST 224, 345, 561; COMM 436/WMST 437; ENGL/WMST 140, 263, 363, 374, 446, 665, 666;
GERM/WMST 220, 250; HIST/WMST 264; JAPN/WMST 381, 384; MUSC/WMST 188, 248; PHIL/WMST 275, 475; RELI/WMST 362; RUSS/WMST 486; SPAN/WMST 620; WMST 64, 66, 68, 80, 202, 211, 230, 231, 232, 233, 243, 281, 285, 294, 297, 325, 336, 350, 352, 465365, 555
- Social sciences: AAAD/WMST 200-386; AAAD 232/WMST 266; AMST/ECON/WMST 385; ANTH/WMST 277, 278, 441, 458, 660; ASIA/GEOG/WMST 447; EXSS/WMST 260; GEOG/WMST 225; JOMC/WMST 442; PLAN 52/WMST 51, PLAN/WMST 662;
POLI/WMST 217, 218, 219, 265, 477; RECR/WMST 310; RELI/WMST 244, 371, 424;
SOCI/WMST 124, 444; WMST 111, 340, 355, 368, 388, 410, 550, 553, 563, 610
- One course in the theory and practice of women's and gender studies from the following options:
- WMST 393-This faculty-supervised internship must be arranged in the semester prior to the semester of the internship (see Internship Guidelines on the departmental Web site).
- A fourth course chosen from one of the three interdisciplinary perspectives categories above
- WMST 692H—For qualified students; this yearlong honors thesis must be arranged in the semester prior to the year of the thesis (requires approval of the department and the instructor; see Honors Thesis Guidelines on the departmental Web site).

The major requires 24 credit hours taken in women's and gender studies courses or departmental courses cross-listed with the Department of Women's and Gender Studies. Students must also fulfill all General Education requirements.

## Women's and Gender Studies Minor

## The minor consists of 15 credits (five courses).

- WMST 101
- Four courses chosen from at least two of the following three categories:
- Historical studies: AAAD 201; AAAD/WMST 200; AMST/JWST/WMST 253; ASIA/HIST/WMST 537; CLAS/WMST 240, 241, 242; COMM/FOLK/HIST/WMST 562; HIST 354/PWAD 354/WMST 353, HIST/PWAD/WMST 517; HIST/WMST 258, 259, 264, 280, 375, 479, 500, 501, 568, 569, 576; WMST 337237, 583283, 289, 560
- Humanities and fine arts: ANTH/LING/WMST 302; ANTH 537/FOLK 537/WMST 438; ARTH/WMST 254, 451; ASIA/CMPL/WMST 380; CMPL 374/WMST 373; COMM/WMST 224, 345, 561; COMM 436/WMST 437; ENGL/WMST 140, 263, 363, 374, 446, 665, 666; GERM/WMST 220, 250; HIST/WMST 264; JAPN/WMST 381, 384; MUSC/WMST 188, 248; PHIL/WMST 275, 475; RELI/WMST 362; RUSS/WMST 486; SPAN/WMST 620; WMST 64, $66,68,80,202,211,230,231,232,233,243,281,285,294,297,325,336,350,352,465365$, 555
- Social sciences: AAAD/WMST 200-386; AAAD 232/WMST 266; AMST/ECON/WMST 385; ANTH/WMST 277, 278, 441, 458, 660; ASIA/GEOG/WMST 447; EXSS/WMST 260; GEOG/WMST 225; JOMC/WMST 442; PLAN 52/WMST 51, PLAN/WMST 662;
POLI/WMST 217, 218, 219, 265, 477; RECR/WMST 310; RELI/WMST 244, 371, 424;
SOCI/WMST 124, 444; WMST 111, 340, 355, 368, 388, 410, 550, 553, 563, 610, 695
WMST 202 and WMST 695 are strongly recommended for minors and will count towards the 12 credits taken after WMST 101. An internship in women's and gender studies (WMST 393) can also count towards the 12 credits.

The minor consists of 15 credits (five courses) in women's and gender studies.

- WMST 101
- Four courses chosen from at least two of the following three interdisciplinary perspectives: historical studies, humanities and fine arts, and social sciences (for specific courses, see the list above under "Core Requirements").

WMST 202 and WMST 695 are strengly recommended for minnors and will count towards the 12 eredits taken after WMST 101. WMST 202 will fulfill a "htmanities/fine arts" perspective. WMST 695 will fulfill a "social seiences" perspective. An internship in women's and gender studies (WMST 393) can also count towards the 12 credits. WMST 393 will count as a "social seiences" perspective.

