

Directory of Major Roadmaps

Click on a major code below to jump to the corresponding Major Roadmap

AFST	African Studies
AMST	American Studies
AMTH	Applied Mathematics
ANTH	Anthropology
BENG	Biomedical Engineering
BLST	Black Studies
CGSC	Cognitive Science
CHEM	Chemistry
CPLT	Comparative Literature
CPSC	Computer Science
CPSC & MATH	Computer Science and Mathematics
EEB	Ecology and Evolutionary Biology
EAST	East Asian Studies
ECON	Economics
ECON & MATH	Economics and Mathematics
ENGL	English
EP&E	Ethics, Politics and Economics
ER&M	Ethnicity, Race, and Migration
EVST	Environmental Studies
FILM	Film and Media Studies
FREN	French
GLBL	Global Affairs
GMAN	German Studies
HIST	History
HSAR	History of Art
HSHM	History of Science, Medicine, and Public Health
HUMS	Humanities
ITAL	Italian Studies
LING	Linguistics
MATH	Mathematics
MB&B	Molecular Biophysics and Biochemistry
MCDB	Molecular, Cellular, and Developmental Biology
MENG	Mechanical Engineering
NSCI	Neuroscience
PHIL	Philosophy
PHYS	Physics
PLSC	Political Science
PSYC	Psychology
RSEE	Russian, East European, and Eurasian Studies
RUSS	Russian
S&DS	Statistics and Data Science
SOCY	Sociology
SPAN	Spanish
TDPS	Theater, Dance, and Performance Studies
WGSS	Women's, Gender, and Sexuality Studies

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African Studies	
Degree Offered	B.A. African Studies
Prerequisites	None
Requirements for degree	12 term courses (incl senior requirement)
	1 AFST Course (Humanities) & 1 AFST Course (Social Sciences)
	4 courses in area of focus
	4 courses in an African language
	1 Research Methods seminar (AFST 5505 or another research methods course in area of focus)
Senior Requirements	AFST 4491, Senior Essay

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American Studies			
Degrees Offered	<table border="1" style="width: 100%; text-align: center;"> <tr> <td style="width: 50%; padding: 5px;">B.A. American Studies</td> <td style="width: 50%; padding: 5px;">B.A. American Studies (Intensive)</td> </tr> </table>	B.A. American Studies	B.A. American Studies (Intensive)
B.A. American Studies	B.A. American Studies (Intensive)		
Prerequisites	None		
Requirements for each degree	14 term courses (including senior reqs)		
	4 gateway courses (AMST 1000–2999) 2 in cultural history/cultural studies 1 American Literature survey course 1 prep course for area of concentration to include 1 designated "Early Americas" in YCS		
	5 courses in area of concentration (national formations; the international United States; material cultures and built environments; politics and American communities; visual, audio, literary, and performance cultures; public humanities), 1 course must be on a related non-U.S. topic		
	2 AMST elective courses		
	2 junior seminars (AMST 3000-3999), at least 1 in concentration		
Senior Requirements	<table border="1" style="width: 100%; text-align: center;"> <tr> <td style="width: 50%; padding: 5px;">1 senior seminar in concentration (AMST 4000-4999) or 1 term senior project or essay (AMST 4491)</td> <td style="width: 50%; padding: 5px;">Independent Project (AMST 4493 and 4494)</td> </tr> </table>	1 senior seminar in concentration (AMST 4000-4999) or 1 term senior project or essay (AMST 4491)	Independent Project (AMST 4493 and 4494)
1 senior seminar in concentration (AMST 4000-4999) or 1 term senior project or essay (AMST 4491)	Independent Project (AMST 4493 and 4494)		
Substitution	First-Year Seminar for gateway course, with DUS permission		

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Applied Mathematics

Degrees Offered	B.A. Applied Mathematics	B.S. Applied Mathematics
Prerequisites for entering the major	MATH 1200 or ENAS 1510; MATH 2220 or MATH 2250 or MATH 2260, or equivalents; ENAS 1300 or CPSC 1001	
Requirements for each degree	11 term courses beyond prereqs (incl senior req)	14 term courses beyond prereqs (incl senior req)
	1 differential equations course, ENAS 1940 or MATH 2460	
	1 probability course, S&DS 2410 or S&DS 2380	
	1 data analysis course, S&DS 3610 or S&DS 2300	
	1 discrete mathematics course, AMTH 2440 or CPSC 2020	
	3 adv courses in an area of concentration involving applied mathematics	
	3 courses in areas listed in item 5 of the overview page	4 courses in areas listed in item 5 of the overview page
		1 addtl vector analysis course, as specified
	1 addtl 3000-level or higher course	
Senior Requirement	Senior thesis research project AMTH 4910	

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Anthropology

Degree Offered	B.A. Anthropology
Prerequisite	None
Degree Requirements	12 course credits (incl senior req); Concentrations optional
	At least 1 intro or intermediate course (1000-2000 level) in each of 3 subfields
	At least 3 advanced (3000-4000 level) courses, not incl ANTH 4071, ANTH 4091, or seminar senior essay
	2 ANTH electives
	Of the 12 course credits, at least 9 must be ANTH courses, including senior requirement Remaining courses can include 2 or 3 cognate courses in other departments or programs with DUS approval
Senior Requirements	One-term Senior Essay (in adv seminar or ANTH 4091) OR Two-term Senior Essay (ANTH 4071 and ANTH 4091)
Substitutions	1 study abroad course for 1 ANTH elective, with DUS approval

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Biomedical Engineering

Degree Offered

B.S.
Biomedical Engineering

Prerequisites for entering the major

BIOL 1010 and 1020,
or higher level course in MCDB or MB&B with DUS permission;
CHEM 1610 or higher

MATH 1150 or 1160 (not necessary if placed into MATH 1200 or ENAS 1510);
MATH 1200 or ENAS 1510;
ENAS 1940 or higher with DUS permission

PHYS 1800, 1810, 2050L, and 2060L
(or PHYS 1650L and 1660L with DUS permission)

Requirements

13 term courses
(for at least 11 credits), beyond prereqs (incl senior req)
students must fulfill the requirements of 1 concentration

BENG 2800, 2080, 3200, 3600, 3400, 3500, 3100, 3110, 4080

Bioimaging
3 of following
courses:
BENG 4104, 4106,
4410, 4440, 4450,
4849, 4475, 4476,
or 4485

**Biomechanics and
Mechanobiology**
3 of following
courses:
MENG 1105, 3422,
BENG 4104, 4106,
4410, 4622, 4560,
or 4580

**Biomolecular
Engineering**
3 of following
courses:
BENG 4104, 4106,
4410, 4611, 4622,
4350, 4630, 4261,
4767, 4680, 4690,
MENG 3422

Systems Biology
3 of following
courses:
BENG 4104, 4106,
4410, 4611, 4622,
4350, 4630, 4261,
4767, 4680, 4690,
MENG 3422

Senior Requirements

BENG 2080 (.5 credit sophomore year)

BENG 4080 (.5 credit senior year)

Senior Project (BENG 4974 or BENG 4973 and 4974)

Substitutions

Relevant course with DUS permission

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Black Studies

Degree Offered

**B.A.
Black Studies**

Prerequisites
for entering the major

None

Requirements

12 term courses (incl senior reqs)

BLST 1160

BLST 1162

1 humanities course in Black Studies literature,
approved by DUS

1 social science course relevant to Black Studies,
approved by DUS

5 courses in area of focus, approved by DUS

Junior Seminar
BLST 4310

Senior Requirements

Senior Colloquium
BLST 4380

Senior Essay
BLST 4391

Substitutions

Relevant course with permission of DUS

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Cognitive Science

Degrees Offered	B.A. Cognitive Science	B.S. Cognitive Science
Prerequisites for entering the major	CGSC 1100	
Requirements for each degree	15 term courses, for a total of 13.5 course credits (including prereq and senior req)	
	CGSC 3950 (.5 credit Junior colloquium)	
	1 course from 4 of the following 7 subfields: Computer Science (CPSC 2010) Economics and Decision Making (ECON 2259) Linguistics (LING 1100, 1160, 1300, 1179, 2320, 2530) Neuroscience (MCDB 3200, NSCI 3400, PSYC 1600 or 2670) Philosophy (PHIL 1126, 1182, 2269, 2270, 2271) Psychology (PSYC 1100, S1390, 1400) Anthropology (ANTH 1482)	
	6 courses in a specific topic or area, selected from at least 2 subfields, at 3000 or higher level	
	1 skills course (CPSC 1001, 2020, LING 2249, PSYC 2670, S&DS 1000, 2200, 2300, and S107E, or another course with DUS permission); PSYC 2100 preferred for B.S. students	
Senior Requirements	CGSC 4800 and 4810 (Nonempirical senior essay)	CGSC 4900 and 4910 (Empirical research and senior essay)

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Chemistry

Degrees Offered	B.A. Chemistry	B.S. Chemistry	B.S. Chemistry (Intensive Major)
Prerequisites for entering the major	CHEM 1610 and 1650 or CHEM 1700 (CHEM 1630 and 1670 are no longer offered); CHEM 1340L and 1360L, or CHEM 1710L		
	MATH 1150 or 1160 (MATH 1200 or MATH 1210 or ENAS 1510 are encouraged)		
	PHYS 1700, 1800, 2000, or 2600 or equivalents in advanced placement		
Requirements for each degree	10 credits (beyond prereqs)	13 credits (beyond prereqs)	15 credits (beyond prereqs)
	2 terms Organic Chemistry (with Labs) CHEM 1740 or 2200; CHEM 1750, 2210, or 2300; CHEM 2220L and 2230L		
	Physical Chemistry CHEM 3320 or 3280		
	N/A	CHEM 3330; CHEM 3300L (B.S. & B.S. Intensive Major only)	
	Inorganic Chemistry CHEM 2520		
	N/A		1 additional PHYS course numbered 1710 or higher
	4 additional advanced course credits, incl at least 1 lecture and 1 lab		5 additional advanced course credits, incl at least 2 lectures and 1 lab
Senior Requirements	CHEM 4000	CHEM 4900 (2 semesters) or CHEM 4000 and additional advanced lecture or lab	CHEM 4900 (2 semesters)
Substitutions	Up to 2 credits of relevant advanced science courses in other departments for advanced chemistry courses (with DUS permission)		

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Comparative Literature

Degrees Offered	B.A. Comparative Literature			
Prerequisite for entering the major	None			
Concentrations	Literature & Comparative Cultures Concentration	Literary Translation Concentration	Intensive Language Concentration	Film Concentration
Requirements for each concentration	12 term courses (including senior req)			
	CPLT 1300 and 1 from CPLT 1400, 1430, or 3048	CPLT 1300 and CPLT 3048 (or equivalent)	CPLT 1300 and CPLT 1400	CPLT 1300 and CPLT 1430 (or equivalent)
	Period Requirement At least 1 course in three of five historical periods: Antiquity, Medieval, Early Modern, 19th Century, 20th-21st Centuries			
	"In-Language" Literature Requirement 2-3 courses (depending on concentration) in a language other than English. 1 L4, but remaining courses (1 or 2) must be L5 level			
	Theory Requirement 1 course that involves literary or cultural theory (see DUS for course list) Film concentration students must take one FILM theory course			
	2 electives	2 electives that engage with translation or translation studies	2 electives in second foreign literature (one at L5 level)	3 electives from Film and Media Studies department
	2 electives			
Senior Requirements	One-term Senior Essay (CPLT 4910) or Two-term Senior Essay (CPLT 4920 and 4930)			
Substitutions	DUS may approve one advanced language class in lieu of 1 non-English literature course			

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Computer Science

Degrees Offered	B.A. Computer Science	B.S. Computer Science
Prerequisites for entering the major	None	None
Requirements for each degree	10 term courses	12 term courses
	CPSC 2010	
	CPSC 2020 or MATH 2440	
	CPSC 2230, 3230, and CPSC 3650 or CPSC 3660	
	3 intermediate or advanced CPSC courses (4 if CPSC 3230 is taken)	5 intermediate or advanced CPSC courses (6 if CPSC 3230 is taken)
	Senior Project CPSC 4900	
Substitutions	Advanced courses in other departments with DUS permission	

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Computer Science and Mathematics

Degrees Offered

B.S.
Computer Science and Mathematics

Prerequisites for entering the major

None

Requirements for degree

14 term courses (6 in CPSC, 8 in MATH),
not incl senior requirement

CPSC 2010, CPSC 2230, and CPSC 3230

1 from CPSC 3650 or CPSC 3660

1 adv CPSC course with significant mathematical content

1 adv CPSC course other than CPSC 4900

MATH 1200

MATH 2250 or MATH 2260

MATH 2440

5 additional MATH courses numbered 2250-4690
(may not include MATH 4700, or MATH 4800-4890)

Senior Requirements

CPSC 4900 or MATH 4750

Substitutions

Substitution of MATH 3020 for MATH 1200 is permitted

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East Asian Studies

Degrees Offered

B.A.
East Asian Studies

Prerequisites for entering the major

L2 level of an East Asian language

Requirements for each degree

13 course credits beyond the prereq
(incl senior req)

6 East Asian language courses,
incl 2 credits at L5 level

6 credits in country or area of focus,
incl 1 in premodern period and 2 seminars

1 credit on East Asia outside country
or area of focus

Senior Requirements

Senior sem related to country or area of focus
(senior thesis)
or
EAST 4900 (1-term senior essay)
or
EAST 4910, 4920 (2-term senior research project)

Substitutions

Students who have placed out of L5 study at Yale
may replace language credits with content courses
on East Asia, with DUS approval

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Ecology and Evolutionary Biology

Degrees Offered	<p style="text-align: center;">B.S. Ecology and Evolutionary Biology Concentrations: <i>Biodiversity and the Environment,</i> <i>or Organismal Biology</i></p>	<p style="text-align: center;">B.A. Ecology and Evolutionary Biology Concentration: <i>Biodiversity and the Environment</i></p>	<p style="text-align: center;">B.A. Ecology and Evolutionary Biology Concentration: <i>Organismal Biology</i></p>																																	
Prerequisites for entering the major	<p style="text-align: center;">Intro Biology sequence (BIOL 1010, 1020, 1030, and 1040)</p> <p style="text-align: center;">2 term lecture sequence in General Chemistry (CHEM 1610, 1650 or CHEM 1630, 1670) with labs (CHEM 1340L, 1360L)</p> <p style="text-align: center;">1 term mathematics or 1 term of statistics & data science MATH 1150 or MATH 1160 or MATH 1200 or S&DS 1000-S&DS 1060 or S&DS 2300</p> <p style="text-align: center;">4 total credits chosen from this entire list; no more than two term lecture courses from a single department</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;">MATH 1150 or 1160</td> <td style="width: 33%;">S&DS 1000-1060</td> <td style="width: 33%;">CHEM 1740 or 2200</td> </tr> <tr> <td>MATH 1180 or 1200</td> <td>S&DS 2200</td> <td>CHEM 1750 or 2210</td> </tr> <tr> <td>MATH 2220 or 2250</td> <td>S&DS 2300</td> <td>CHEM 2220L</td> </tr> <tr> <td>MATH 2350</td> <td>S&DS 2380</td> <td>CHEM 2230L</td> </tr> <tr> <td>MATH 2410</td> <td>S&DS 2400</td> <td>EPS 1100</td> </tr> <tr> <td>MATH 2420</td> <td>CPSC 1001</td> <td>EPS 2120</td> </tr> <tr> <td>MATH 2440</td> <td>CPSC 1230</td> <td>EPS 2200</td> </tr> <tr> <td>MATH 2460</td> <td>CPSC 2010</td> <td>EPS 2220</td> </tr> <tr> <td>MATH 2470</td> <td>PHYS 1700 or 1800</td> <td>EPS 2320</td> </tr> <tr> <td>MATH 2550</td> <td>PHYS 1710 or 1810</td> <td>EPS 2400</td> </tr> <tr> <td></td> <td></td> <td>EPS 2550</td> </tr> </table>			MATH 1150 or 1160	S&DS 1000-1060	CHEM 1740 or 2200	MATH 1180 or 1200	S&DS 2200	CHEM 1750 or 2210	MATH 2220 or 2250	S&DS 2300	CHEM 2220L	MATH 2350	S&DS 2380	CHEM 2230L	MATH 2410	S&DS 2400	EPS 1100	MATH 2420	CPSC 1001	EPS 2120	MATH 2440	CPSC 1230	EPS 2200	MATH 2460	CPSC 2010	EPS 2220	MATH 2470	PHYS 1700 or 1800	EPS 2320	MATH 2550	PHYS 1710 or 1810	EPS 2400			EPS 2550
MATH 1150 or 1160	S&DS 1000-1060	CHEM 1740 or 2200																																		
MATH 1180 or 1200	S&DS 2200	CHEM 1750 or 2210																																		
MATH 2220 or 2250	S&DS 2300	CHEM 2220L																																		
MATH 2350	S&DS 2380	CHEM 2230L																																		
MATH 2410	S&DS 2400	EPS 1100																																		
MATH 2420	CPSC 1001	EPS 2120																																		
MATH 2440	CPSC 1230	EPS 2200																																		
MATH 2460	CPSC 2010	EPS 2220																																		
MATH 2470	PHYS 1700 or 1800	EPS 2320																																		
MATH 2550	PHYS 1710 or 1810	EPS 2400																																		
		EPS 2550																																		
Requirements for each degree	<p style="text-align: center;">B. S. Degree 5.5 course credits (not incl prereqs or senior req)</p>	<p style="text-align: center;">B.A. Degree 3.5 course credits (not incl prereqs or senior req)</p>	<p style="text-align: center;">B.A. Degree 3.5 course credits (not incl prereqs or senior req)</p>																																	
Same as B.A. degree requirements (either concentration).	EEB 2220	EEB 2290 and 2291L																																		
Two electives, at least one elective must be a lecture or a seminar.	EEB 2225	EEB 2295 or BENG 3200																																		
	1 course from EEB 2246-2272 with lab or EEB 3326 and 3327L	MCDB 3000 or MB&B 3000																																		
Senior Requirements	<p style="text-align: center;">2 terms original research (EEB 4475, 4476) or (EEB 4495, 4496)</p>	<p style="text-align: center;">1 term independent study (EEB 4470) or Senior Essay in a course</p>	<p style="text-align: center;">1 term independent study (EEB 4470) or Senior Essay in a course</p>																																	
Substitutions	<p style="text-align: center;">Substitutions permitted with DUS approval (see YCPS for details).</p>																																			

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Economics

Degree Offered

**B.A.
Economics**

Prerequisite

None

**Distribution
of courses**

12 term courses (including math req and senior req)

Introductory microeconomics
(ECON 1108, 1110, or 1115, or extra elective if placed out)

Introductory macroeconomics
(ECON 1111 or 1116, or extra elective if placed out)

Intermediate micro (ECON 2121 or 2125);

Intermediate macro (ECON 2122 or 2126);

Econometrics (ECON 1117 or 2123 or 2136)

4 ECON electives
(any ECON courses numbered 2000 or above,
if not already applied toward core requirements)

One math course:
MATH 1180 or 1200 (preferred)
or
MATH 1100/1110 (counts as 1 credit),
MATH 1120, 1150, 1160, ENAS 1510,
or
any MATH course numbered 2000 or higher

**Senior
Requirement**

2 ECON courses numbered 4400-4491,
at least 1 taken in senior year

Substitutions

1 related course in another department (with DUS approval)

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Economics and Mathematics

Degree Offered

**B.A.
Economics and Mathematics**

Prerequisites for entering the major

MATH 1200
and
ECON 1110 or ECON 1115
and
ECON 1111 or ECON 1116

Requirements for degree

12 courses beyond the prereqs, incl senior requirement

7 ECON courses above 2000
and
5 MATH courses numbered above 2250,
excluding MATH 4700, MATH 2410, and MATH 2420

ECON 2125 or ECON 2121

ECON 2126 or ECON 2122

ECON 2135 and ECON 2136

ECON 3351 or ECON 4425

One of ECON 3350 or ECON 4433

1 additional economics course,
can be fulfilled by senior requirement
if ECON theory seminar is selected

MATH 2250 or MATH 2260
and
MATH 2550 or MATH 2560
and
3 additional MATH courses numbered above 2250,
excluding MATH 4700. One can be fulfilled by senior
requirement, if MATH 4800 or 4810 is selected

Senior Requirements

MATH 4800 or MATH 4810, or ECON Theory Seminar
(optional: senior essay in economics)

Substitutions

S&DS 2410 and S&DS 2420 for ECON 2135,
or
MATH 3020 for MATH 1200,
with permission of ECON DUS

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English Language and Literature

Degrees Offered	English Standard Major	B.A. English Creative Writing Concentration
Prerequisites for entering the major	None	
Requirements for each degree	14 courses (incl senior requirement)	15 courses (incl senior requirement)
	3 foundational courses chosen from ENGL 1025, 1026, 1027, and 1028	
	1 advanced course in each of four historical periods: Medieval, Renaissance, 18th/19th Century, 20th/21st Century	
	1 junior seminar	
	No more than 5 courses numbered ENGL 1014-1030	
	No more than 2 creative writing courses	4 creative writing courses, including at least 2 advanced (4000-level; previously numbered 451 or higher); 1 in same genre as 4400; and 1 in another genre.
		At least 11 literature courses
Senior Requirements	2 senior seminars or 1 senior seminar and 1 one-term Senior Essay (ENGL 4100) or 1 two-term Senior Essay (ENGL 4100 and 4101) Seniors meet with a research librarian in the first term of their senior requirement	1 senior seminar or 1 one-term Senior Essay (ENGL 4100) and Creative Writing Concentration Senior Project (ENGL 4400) Seniors meet with a research librarian in the first term of their senior requirement
Substitutions	DRST 0001 and 0002 or ENGL 1029 and 1030 may substitute for one foundational course; 2 upper-level courses with overlapping material may substitute for one foundational course with DUS permission; Up to 2 relevant courses in other departments may substitute for electives in the major; Residential College Seminars may substitute for electives in the major. DUS permission required.	

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Ethics, Politics, and Economics

Degree Offered	B.A. Ethics, Politics, and Economics
Introductory Requirements	<p>1 course from each of 8 categories:</p> <ul style="list-style-type: none"> (1) Ethics (PHIL 1175 or DS*) (2) Other Perspectives (from ANTH, ER&M, HIST, SOCY, WGSS, or DS*) (3) Political Philosophy (PHIL 1178, PLSC 1327, 1335, 1352, or DS*) <p>*2 terms of DS fulfills introductory requirements (1) thru (3)</p> <ul style="list-style-type: none"> (4) Intro Political Science course (1 of PLSC 1113, 1222, or 1413) (5) Intro Microeconomics (1 of ECON 1108, 1110, or 1115) (6) Intro Macroeconomics (ECON 1111 or 1116) (7) Econometrics (1 of ECON 1117, 2123, 2135, GLBL 2121, S&DS 2300 or 2380) (8) Game Theory (1 of EP&E 4220, 4231, 4295, 4297, or ECON 2159)
Requirements for each degree	15 term courses (incl intro reqs & senior req)
	ECON 2121 or ECON 2125
	<p style="text-align: center;">3 core seminars including:</p> <p>1 from the Classics series of EP&E (EP&E 3212, 3213, 3214, 3215, 3216, or 3217) and 2 additional seminars in 2 of 3 core areas (Ethics, Politics, Economics), 1 of which must be an advanced seminar</p>
	3 courses in area of concentration (includes senior req course)
Senior Requirements	Senior Essay in area of concentration (Advanced seminar; EP&E 4491; or EP&E 4492 and 4493)

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Ethnicity, Race, and Migration

Degree Offered	B.A. Ethnicity, Race, and Migration			
Prerequisites for entering the major	None			
Requirements for each degree	12 term courses (incl senior req)			
	ER&M 2000 and 3000			
	6 courses in area of interest, 1 of which must be a methods course			
	2 electives with DUS approval			
Senior Requirements	<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none; padding: 5px;"> Senior Colloquium (ER&M 4091) and Senior Essay or Project (ER&M 4092) </td> <td style="width: 10%; text-align: center; border: none; padding: 5px;">or</td> <td style="width: 40%; border: none; padding: 5px;"> Senior Essay in upper-level seminar and one additional upper-level seminar </td> </tr> </table>	Senior Colloquium (ER&M 4091) and Senior Essay or Project (ER&M 4092)	or	Senior Essay in upper-level seminar and one additional upper-level seminar
Senior Colloquium (ER&M 4091) and Senior Essay or Project (ER&M 4092)	or	Senior Essay in upper-level seminar and one additional upper-level seminar		

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Environmental Studies

Degrees Offered	B.A. Environmental Studies	B.S. Environmental Studies
Prerequisites for entering the major	S&DS 1000 or higher or Completion of the Certificate in Data Science	1 natural science lab or field course
		MATH 1120 or higher or PHYS 1700 or higher or S&DS 1000 or higher or Completion of the Certificate in Data Science
		Two-term lecture sequence in chemistry or CHEM 1670 or higher
		BIOL 1010, 1020, 1030, and 1040
Requirements for each degree	13 course credits (incl senior project)	12 course credits (beyond prereqs, incl senior project)
	5 core courses 1 in MATH 1100/1110 taken together, or MATH 1120 or higher; 1 in humanities; 1 in social sciences; 3 in natural sciences	4 core courses 1 in humanities; 1 in social sciences; 2 in natural sciences
	6 courses in concentration 1 adv seminar; 1 additional adv seminar or 1 intermediate level or higher course in quantitative research methods	6 courses in concentration 3 courses with science (SC) designation, numbered 2000 or higher; 2 courses that provide interdisciplinary context; 1 related elective
Senior Requirements	1 one-term senior essay (EVST 4960) and 1 advanced (senior) seminar or Two-term research project (with permission of DUS)	Two terms of EVST 4960

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Film and Media Studies

Degrees Offered	B.A. Film and Media Studies	B.A. Film and Media Studies Intensive Major
Prerequisites for entering the major	None	
Requirements for each degree	12 courses, incl senior req	
	FILM 1501 FILM 1601 FILM 3201	
	1 upper-level international (non-US) or world cinema course	
	1 upper-level critical studies course	
	1 production course	
	4 electives	
Senior Requirements	Two terms of Senior essay or Senior project in production (see Summary of Major Requirements)	Two terms of Senior essay and Senior project in production (see Summary of Major Requirements)

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French

Degrees Offered

B.A.
Standard Major

B.A.
Standard Major
Translation Concentration

B.A.
Intensive Major

B.A.
Intensive Major
Translation Concentration

Prerequisite for entering the major

FREN 1500 or equivalent

Requirements for each degree

10 term courses numbered 1600 or above
(incl senior req, but not prereq)

12 term courses numbered 1600 or above
(incl senior req, but not prereq)

FREN 1700 or equivalent

At least 4 courses in Group B
numbered 2000 or above

At least 5 courses in Group B
numbered 2000 or above

No more than 2 courses numbered FREN 1800–1999

Minimum of 2 courses on
translation, not including
the senior translation
thesis

Minimum of 2 courses on
translation, not including
the senior translation
thesis

1 pre-1800 course

No more than 2 courses conducted in English

Senior Requirements

One-term senior thesis
in French or English
(FREN 4910)

One-term senior
translation thesis from
French to English
(FREN 4920)

One-term
(FREN 4910)
or
two-term
(FREN 4930 and FREN
4940)
senior thesis
in French or English

One-term
(FREN 4920)
or
two-term
(FREN 4950 and FREN
4960)
senior translation thesis
from French to English

Substitutions

With prior approval of DUS, up to 4 term courses outside Yale French Department

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Global Affairs	
Degree Offered	B.A. Global Affairs
Prerequisites	None
Requirements	14 course credits (including senior req; excluding language req)
	GLBL 2121, 2122, and 3101
	ECON 1108, 1110, or 1115
	ECON 1111 or 1116
	2 PLSC courses from different subdisciplines PLSC 1113 (international relations) PLSC 1413 (comparative politics) or 1 from PLSC 1327, 1335, or 1352, DRST 0005, or DRST 0006, or PHIL 1178 (political theory)
	1 course from: ECON 2121, ECON 2122, GLBL 2159/ECON 2259, or an approved qualitative methods course
	2 History courses
	3 GLBL electives, approved by DUS
Senior Requirements	Senior Project GLBL 4499 or GLBL 4500 or approved senior seminar
Language Requirement	Advanced ability (L4) in 1 modern language other than English

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German Studies

Degree Offered

B.A.
German Studies

Prerequisites for entering the major

First- and second-year German or the equivalent

Requirements for each degree

10 term courses beyond the prereq and including the senior req

1 GMAN course in the 1500s
1 GMAN course in the 1600s
1 GMAN course in the 1700s

6 electives numbered GMAN 1600 and above

Senior Requirements

Senior Essay
GMAN 4920
or
GMAN 4920 and 4930 (intensive major)

Substitutions

Substitutions and exceptions with DUS permission

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History

Degrees Offered

B.A. History Specialist Concentration	B.A. History Global Concentration
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Prerequisites for entering the major

**2 term courses in History
(2 credits)**

Requirements for each degree

12 term courses (12 credits)
(including prereqs and senior req)

2 course credits in preindustrial history

2 3000-level departmental seminar course credits

5 course credits in a geographic region or thematic pathway

2 course credits outside region or pathway; overall coursework must include 3 regions

1 course credit in 5 of the 6 geographical regions (Africa, Asia, Europe, Latin America, Middle East, U.S.) for a total of 5 course credits

Senior Requirements

Two-term senior essay or project
(HIST 4995 and 4996)
for 2 course credits
or
One-term senior essay
(HIST 4997)
for 1 course credit

Substitution

1 or 2 non-departmental course credits
(with DUS permission)

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History of Art

Degree Offered

**B.A.
History of Art**

Prerequisites

None

Requirements

12 term courses (incl senior req)

HSAR 4401

2 courses at 1000 level

**6 courses numbered above 2000, including:
2 seminars at 3500-4497 level
4 geographical categories
and
4 chronological categories**

2 Electives

**Senior
Requirement**

HSAR 4499

Substitutions

**2 electives
from related departments with DUS permission**

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History of Science, Medicine, and Public Health

Degree Offered	B.A. History of Science, Medicine, and Public Health
Prerequisite	None
Requirements for each degree	12 course credits (including senior req)
	7 courses in concentration: 2 HSHM courses 1 seminar in HSHM or HIST taken before senior year 3 related electives from any dep (approved by faculty adviser) 1 full-credit science course (approved by faculty adviser)
	3 additional HSHM electives, including 1 seminar and 1 course outside major concentration
Senior Requirements	Yearlong project (HSHM 4900, 4910)

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Humanities

Degree Offered	B.A. Humanities
Prerequisites	None
Requirements for the degree	14 term courses (incl senior req)
	2 core Modernities seminars
	2 core Interpretations seminars
	2 core Traditions lectures or seminars
	1 course in each of 4 areas - Literature - Visual, musical, or dramatic arts - Science in the humanities - Intellectual history and historical analysis
	3 electives related to area of focus (with DUS approval)
1 intellectual journal entry per term	
Senior Requirements	Senior Essay 1 or 2 terms of HUMS 4910

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Italian Studies

Degree Offered

B.A.
Italian Studies

Prerequisites for entering the major

ITAL 1300 or equivalent

Requirements

11 term courses beyond prereqs
(including senior req)

8 courses numbered ITAL 1400 or above,
at least 5 of which must be taught in Italian,
including:

ITAL 1400 or equivalent through placement test

ITAL 1500 or 1510;

ITAL 4162 or 4172;

ITAL 1310 (with the Italian discussion section);

4 additional Italian electives
(or 5 if placement test waives ITAL 1400)

2 elective courses in other langs and lits, history of art, history,
linguistics, philosophy or media, with DUS approval

Maximum of 3 Italian courses taught in English

Senior Requirements

ITAL 4491 Senior Essay and final meeting with faculty

Substitutions

Graduate courses in other departments with DUS approval

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Linguistics

Degree Offered

B.A.
Linguistics

Prerequisites for entering the major

None

Requirements for each degree

12 term courses
(including the senior requirement)

Breadth requirement
5 courses to fill the breadth requirement, 4 of which are chosen from:
LING 1179, LING 2120, LING 2200, LING 2270, LING 2320,
LING 2530, LING 2630, LING 2750, LING 2790, LING 3610
and
1 additional course, which can be one of the ten listed above or a
course that covers several subfields, such as LING 1100 or LING
1160

Depth requirement
2 courses beyond the introductory level
in one of the eight areas of linguistics

Electives
3 linguistics courses, with at least one at 2000 level or above

Research requirement
LING 4900

Senior Requirement

Senior Essay
LING 4910

Substitutions

Electives may be chosen from language-related offerings in other
departments, with DUS permission

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Mathematics

Degrees Offered	B.A. Mathematics	B.S. Mathematics
Prerequisite	MATH 1150 or equivalent	
Requirements for each degree	10 term courses numbered 2250-5999 (excluding MATH 4700), incl senior req	12 term courses numbered 2250-5999 (excluding MATH 4700) incl same reqs as B.A. degree with 2 addtl advanced courses in physical science
	Introductory Sequence MATH 2250 or 2260 and MATH 2550 or 2560 and MATH 3020 or 1200	
	MATH 3500 and MATH 3050 or MATH 3100	
	3 courses marked with a YC MATH Distribution attribute in YCS	
	1 math elective 2250+ to equal 10 required Math courses	1 math elective 2250+ to equal 12 required Math courses
	Senior Seminar (MATH 4800 through MATH 4890) or Senior Essay (MATH 4750) with DUS permission	
Intensive Major	Required courses must include: MATH 3050 MATH 3100 MATH 3500 2 MATH grad courses level 5000 through 5999 or equivalent independent study courses	
Substitutions	With DUS permission, up to 2 math-intensive courses from other depts or programs	

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Molecular Biophysics and Biochemistry

Degrees Offered	B.A. Molecular Biophysics and Biochemistry	B.S. Molecular Biophysics and Biochemistry
Introductory Courses	General chemistry: CHEM 1610, 1650, or CHEM 1630, 1670, with CHEM 1340L, 1360L Organic chemistry: CHEM 2200 or 1740 with CHEM 2220L Calculus: MATH 1120 and MATH 1150 or MATH 1160 Biology: BIOL 1010, 1020, and for certain concentrations, BIOL 1030, 1040	
Concentrations	Concentrations (optional) Faculty curated sets of electives for students choosing to concentrate in Biochemistry; Biophysics and Structural Biology; Chemical Biology; Computational Biology and Bioinformatics; Environment and Climate Change; Medicine. Some concentrations require BIOL 1030/1040. Some require 1-3 additional credits. More specific concentration reqs found Concentrations tab in YCPS.	
Requirements for each degree	9.5 course credits including senior req	12.5 course credits including senior req
	Biophysics	
	(3 credits) PHYS 1700, 1710 (or higher) and MB&B 2750 or CHEM 3320	(4 credits) PHYS 1700, 1710 (or higher) and MB&B 2750 or CHEM 3320 and 1 elective 3000+
	Biochemistry (3 credits) MB&B 3000, 3010 CHEM 1750 or any CHEM 2000+	
	Science and Society Core (1/2 credit minimum) MB&B 2680 or others as approved by DUS	
	Practical Skills Electives	
	1 credit from different categories with at least 0.5 credits from MB&B	2 credits from different categories with at least 0.5 credits from MB&B
	Seminar and Lecture Electives	
(1 credit) 1 MB&B elective at 2000+ level	(2 credits) 1 x MB&B elective at 2000+ level <i>and either</i> 1 addtl MB&B elective at 2000+ level <i>or</i> Lecture course in STEM	
Senior Requirements	Senior Project (1 term) MB&B 4900 or MB&B 4910	

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Molecular, Cellular, and Developmental Biology

Degrees Offered	B.A.	B.S.	B.S. Intensive
Prerequisites for entering the major	BIOL 1010, 1020, 1030, and 1040 (See MCDB Prerequisites on the Program Overview page)		
	1 course in MATH 1150 or higher or S&DS course at Yale (approved by DUS)		
	2-term lecture sequence in CHEM	2-term lecture sequence in CHEM + 2 Labs	
	1 term in PHYS 1700 or higher	2 terms PHYS 1700 or higher	
		1 term organic CHEM + 1 Lab	
Requirements for each degree	5.5 course credits beyond prereqs	9 course credits beyond prereqs	11 course credits beyond prereqs
	2 core courses from MCDB 2000, 2020, 2050, 2100, 2900, 3000 (or MB&B 3000)	3 core courses from MCDB 2000, 2020, 2050, 2100, 2900, 3000 (or MB&B 3000)	
	1 bioscience lab	2 MCDB labs	
	2 general elective MCDB courses numbered 2500 and above or 2 additional core courses or MCDB 3420L and 3430L or MCDB 3440L and 3450L, which can be paired for a single elective credit or A second term of organic chemistry (<i>B.S. Degree and B.S. Intensive Degree only</i>) or 1 course in statistics (<i>B.S. Degree and B.S. Intensive Degree only</i>)		
	1 special elective from MCDB 3500 or higher		
	2 general elective MCDB courses numbered 2500 and above or 2 additional core courses or MCDB 3420L and 3430L or MCDB 3440L and 3450L, which can be paired for a single elective credit or A second term of organic chemistry (<i>B.S. Degree and B.S. Intensive Degree only</i>) or 1 course in statistics (<i>B.S. Degree and B.S. Intensive Degree only</i>)		
Senior Requirements	Senior Essay or 1 term of research in MCDB 4750	MCDB 4850, 4860	MCDB 4950, 4960
Concentration Requirements	Biotechnology: Same B.A. or B.S. requirements; MCDB 3700; 1 elective from MCDB 3500 or higher; 1 elective from MB&B 4200, 4430, BENG 3600, 3400, 4410, 4350, 4630, 4685, CENG 2100, 4110, 4120L, CPSC 4381, 4391, 4700, or 4750		
	Neurobiology: Same B.A. or B.S. requirements; MCDB 3200; 1 elective from MCDB 3500 or higher; 1 elective from BENG 4410, CPSC 4750, MCDB 2500, 3100, 3150, 3610, 4150, 4250, 4300, 4400, PSYC 3376, or S&DS 1010		
	Quantitative Biology: Same B.A. or B.S. requirements; MCDB 3310; 1 elective from MCDB 3500 or higher; 1 elective from MCDB 3200, 3610, 4610, BENG 4630, 4767, CPSC 4371, 4750, MB&B 4350, 3520, 5230, PHYS 4020, MATH 2460, 2510, or CPSC 4750, 4371		

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Mechanical Engineering

Degrees Offered	B.S. Mechanical Engineering	B.S. Engineering Sciences (Mechanical)	B.A. Engineering Sciences (Mechanical)
Prerequisites for entering the major	MATH 1120 and 1150		
	1 from PHYS 1800, 2000, 2600 and 1 from PHYS 1810, 2010, 2610, or equivalents		PHYS 1700, 1710 or higher
	ENAS 1510 or equivalent		
	2 labs: 1 from PHYS 1650L or 2050L; 1 from PHYS 1660L or 2060L, or equivalents	2 labs: 1 from PHYS 1650L or 2050L; 1 from PHYS 1660L or 2060L, or MENG 2616L	
	1 one-credit course in chemistry numbered CHEM 1610 or higher, or equivalent		
Requirements for each degree	20 term courses beyond prereqs (incl senior req)	12 term courses beyond prereqs (incl senior project)	8 term courses beyond prereqs (incl senior req)
	ENAS 1300 and 1940	11 MENG electives, selected with DUS approval	7 MENG electives, selected with DUS approval
	ECE 2000		
	MATH 2220 or 2250		
	MENG 1105, 2511, 2311, 2615, 2616L, 3125, 3422, 3423L, 3323, 3424, 3020L		
	3 technical electives chosen in consultation with DUS (only one of MENG 4991 or MENG 4992)		
Senior Requirements	MENG 4137L and MENG 4138L (taken in senior year)	MENG 4154 or MENG 4991 or MENG 4992 or another upper-level design course chosen in consultation with DUS	MENG 4991 or MENG 4992 or another upper-level design course chosen in consultation with DUS
	Relevant course with DUS permission		
Substitutions	Relevant course with DUS permission		

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Neuroscience

Degrees Offered	B.A. Neuroscience	B.S. Neuroscience
Prerequisites for entering the major	3 or 5 courses for 3 credits	
	BIOL 1010, 1020, 1030, and 1040 and 1 of S&DS 1000, 2200, 2300, or 2380	
Requirements for each degree	19 or 21 courses for 18.5 credits (including prereqs and senior req)	
	NSCI 1600 and NSCI 3200	
	1 lab course, chosen from NSCI 2280L, 2290L, 2400, 2580, 2600, 2700, 3210L, PSYC 2538	
	11 electives, including at least: 2 systems/circuits/behavior core courses 2 molecular/cellular/biological core courses 1 quantitative core course 1 computational core course 1 basic allied core course (no more than 2 from other allied core courses)	
Senior Requirements	2 credits in nonempirical research (NSCI 4800 and 4810) or 1 credit in empirical research (NSCI 4900 or 4910) and 1 credit in nonempirical research (NSCI 4800 or 4810)	2 credits in empirical research (NSCI 4900 and 4910)

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Philosophy

Degrees Offered	B.A. Philosophy Standard Major	B.A. Philosophy Psychology concentration
Prerequisites for entering the major	2 introductory or intermediate courses in PHIL	2 courses in PHIL or PSYC
Requirements for each degree	12 term courses, incl prereqs and senior req	12 term courses, incl prereqs and senior req
	2 courses in metaphysics and epistemology	5 courses in psychology, including PSYC 1100 7 philosophy courses
	3 courses in the history of philosophy, to include PHIL 1125 and PHIL 1126 or DRST 0003 and DRST 0004	2 courses in the history of philosophy PHIL 1125 and PHIL 1126 or DRST 0003 and DRST 0004 suggested
	2 ethics and value theory courses	2 seminars, one of which may be from the Psychology department
	1 logic course	1 logic course PHIL 1115 suggested
	2 PHIL sems at the 3000-level or above, one of which may fulfill the senior req	2 int or adv courses in the intersection of PHIL and PSYC, 1 must be a philosophy seminar and may fulfill the senior requirement
Senior Requirements	Third sem in PHIL or One- or two-term independent project (PHIL 4490, 4491)	Third sem in PHIL or One- or two-term independent project (PHIL 4490, 4491)
Substitutions	2 related courses in other depts, with DUS permission	2 related courses in other depts, with DUS permission

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Physics			
Degrees Offered	<table border="1" style="width: 100%;"> <tr> <td style="width: 50%; text-align: center;">B.S. Physics</td> <td style="width: 50%; text-align: center;">B.S. Physics (Intensive)</td> </tr> </table>	B.S. Physics	B.S. Physics (Intensive)
B.S. Physics	B.S. Physics (Intensive)		
Prerequisites for entering the major	<p>PHYS 1700, 1710 or 1800, 1810 or 2000, 2010 or 2600, 2610 with Math coreqs; PHYS 2050L or PHYS 1650L, 1660L</p>		
Requirements for each degree	<table border="1" style="width: 100%;"> <tr> <td style="width: 50%;">9 courses for 8.5 credits (including senior req)</td> <td style="width: 50%;">11 courses for 10.5 credits (including senior req)</td> </tr> </table>	9 courses for 8.5 credits (including senior req)	11 courses for 10.5 credits (including senior req)
	9 courses for 8.5 credits (including senior req)	11 courses for 10.5 credits (including senior req)	
	<p>PHYS 4000 or other advanced math course</p>		
	<table border="1" style="width: 100%;"> <tr> <td style="width: 50%;">PHYS 4010, 4020 and either PHYS 4390 or 4400 (in sequence)</td> <td style="width: 50%;">PHYS 4100, 4300 and PHYS 4390 or 4400 and PHYS 4410 and PHYS 4500 (in sequence as specified)</td> </tr> </table>	PHYS 4010, 4020 and either PHYS 4390 or 4400 (in sequence)	PHYS 4100, 4300 and PHYS 4390 or 4400 and PHYS 4410 and PHYS 4500 (in sequence as specified)
	PHYS 4010, 4020 and either PHYS 4390 or 4400 (in sequence)	PHYS 4100, 4300 and PHYS 4390 or 4400 and PHYS 4410 and PHYS 4500 (in sequence as specified)	
	<table border="1" style="width: 100%;"> <tr> <td style="width: 50%;">PHYS 2060L or equivalent</td> <td style="width: 50%;">PHYS 2060L and 4450L or equivalent</td> </tr> </table>	PHYS 2060L or equivalent	PHYS 2060L and 4450L or equivalent
PHYS 2060L or equivalent	PHYS 2060L and 4450L or equivalent		
<table border="1" style="width: 100%;"> <tr> <td style="width: 50%;">3 advanced electives (numbered 3000 or higher) with DUS approval</td> <td style="width: 50%;">1 advanced elective (numbered 3000 or higher) with DUS approval</td> </tr> </table>	3 advanced electives (numbered 3000 or higher) with DUS approval	1 advanced elective (numbered 3000 or higher) with DUS approval	
3 advanced electives (numbered 3000 or higher) with DUS approval	1 advanced elective (numbered 3000 or higher) with DUS approval		
<table border="1" style="width: 100%;"> <tr> <td style="width: 50%;">PHYS 4710 or 4720 or equivalent</td> <td style="width: 50%;">Two terms of PHYS 4710 or 4720 or equivalent</td> </tr> </table>	PHYS 4710 or 4720 or equivalent	Two terms of PHYS 4710 or 4720 or equivalent	
PHYS 4710 or 4720 or equivalent	Two terms of PHYS 4710 or 4720 or equivalent		
Senior Requirements	<table border="1" style="width: 100%;"> <tr> <td style="width: 50%;">PHYS 4710 or 4720 or equivalent</td> <td style="width: 50%;">Two terms of PHYS 4710 or 4720 or equivalent</td> </tr> </table>	PHYS 4710 or 4720 or equivalent	Two terms of PHYS 4710 or 4720 or equivalent
PHYS 4710 or 4720 or equivalent	Two terms of PHYS 4710 or 4720 or equivalent		

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Political Science

Degrees Offered	B.A. Political Science	B.A. Political Science Intensive	B.A. Political Science Interdisciplinary
Prerequisites for entering the major	None		
Requirements for each degree	12 courses	15 courses	12 courses
		Apply in November of junior year	Apply before November recess in final year
	2 intro PLSC courses		
	2 non-intro core lecture courses		
	1 course in methodology and formal theory subfield		
	2 courses each in 2 of the following four subfields: international relations, American government, political philosophy, and comparative politics	2 courses each in 2 of the five subfields (incl methodology and formal theory)	
	2 departmental seminars, one in senior year		
		PLSC 4900 in spring of junior year	7 of the required courses must relate to chosen concentration
		1 addtl elective to total 15 req courses	
	Senior Requirements	1-term essay in seminar or PLSC 4900 <i>or</i> 2-term essay in PLSC 4900, 4901	2-term essay in PLSC 4901, 4903
Substitutions	2 courses from other departments (with DUS approval)		3 courses from other departments (with DUS approval)

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Psychology

Degrees Offered	B.A. Psychology Standard Major	B.S. Psychology Standard Major	B.A. or B.S. Psychology Neuroscience concentration
Prerequisite for entering the major	PSYC 1100 or Score of 5 on PSYC AP test or Score of 7 on IB PSYC exam		
Requirements for each degree	12 courses beyond prereqs incl senior req		13 or 15 courses beyond prereqs, incl senior req and 2-term BIOL sequence (BIOL 1010-1040) if necessary
	2 social science courses in Psychology (search YC PSYC Social Science on YCS) Including at least 1 social science core course (search YC PSYC Social Science Core on YCS)		
	2 natural science courses in Psychology (search YC PSYC Natural Science on YCS) Including at least 1 natural science core course (search YC PSYC Natural Science Core on YCS)	2 natural science courses: PSYC 1600 and 1 addtl natural science course indicated by YC PSYC Natural Science on YCS	
	1 statistics course: S&DS 1000 or S&DS 2300 (may substitute S&DS 1230 with DUS permission)		
	At least 1 research methods requirement (PSYC 2000–2999)		Data-collection/research methods course (search YC PSYC NSCI Track RsrchMthds on YCS) chosen from PSYC 2600, 2538, 2700, 2658 or 2670. Substitutions with DUS approval
	4 PSYC electives Up to 3 relevant credits outside of PSYC with DUS permission (rare)		2 advanced science courses (search YC PSYC NSCI Track Adv Scie on YCS)
	2 PSYC electives		2 PSYC electives
Senior Requirements	2 nonempirical courses or 1 empirical & 1 nonempirical research course • 1 course from PSYC 4000-4899, or PSYC 4990, taken sr. year • 1 additional course from PSYC 4000-4999	2 empirical research courses PSYC 4990 taken senior year and 1 addtl course from PSYC 4000-4999	2 courses designated as YC PSYC NSCI Track Senior Sem on YCS (B.S. majors must take PSYC 4990 for neuroscientific empirical project)
Substitutions	Advanced courses in other departments with DUS permission		

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Russian, East European, and Eurasian Studies

Degree Offered	B.A. Russian, East European, and Eurasian Studies	B.A. Russian, East European, and Eurasian Studies
Concentrations	East European Studies <i>or</i> Eurasian concentration	Russian Studies concentration
Prerequisites for entering the major	2 semesters of the first-year sequence in East European <i>or</i> Eurasian language, or placement exam	RUSS 1400, 1420, 1450, or S140, or placement exam
Requirements	11 term courses for 11 credits (incl senior req)	12 courses for 13 credits (incl senior req)
	Third year of an East European or Eurasian language, or equivalent; students that place out of language courses may substitute with approved content courses	RUSS 1500 and 1510, or equivalency exam; students that place out of language courses may substitute with approved content courses
	2 courses in Russian, East European, or Eurasian history	2 courses in Russian, East European, or Eurasian history
	1 RSEE-area focused course in social sciences	1 RSEE-area focused course in social sciences
	1 course in RSEE literature or culture	1 course in RSEE literature or culture
	Electives in consultation with DUS	Electives in consultation with DUS
Senior Requirements	Senior Essay (RSEE 4900 or 4910; or by petition, a yearlong essay, in which case the second term counts as a 12th course)	Senior Essay (RSEE 4900 or 4910; or by petition, a yearlong essay, in which case the second term counts as a 13th course)

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Russian

Degree Offered

B.A.
Russian

Prerequisites for entering the major

RUSS 1400, 1420, 1450, S140, or placement exam

Requirements

11 term courses (12 credits)

RUSS 1500, 1510, 1600, 1610 (or equivalent)
Students that place out of language courses may
substitute with approved content courses

2 Russian lit in translation courses
(one in 19th c. and one in 20th c.)

1 content course in which Russian is the language of instruction
(RUSS 1700-1900)

1 course in Russian, Eastern European, or Eurasian history or
social sciences

Electives, as needed to bring the overall total to 11 required
courses

Senior Requirements

Senior Essay
(RUSS 4900 or 4910)*

* Double majors may write a yearlong joint essay
in which case the second term counts as a 12th req course

Substitutions

Yale summer program in Russian culture
(RUSS S241, S242, or S243)
for certain advanced Russian courses

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Statistics and Data Science

Degrees Offered	B.A. Statistics and Data Science	B.S. Statistics and Data Science
Prerequisites for entering the major	1 from MATH 1200, ENAS 1510, MATH 3020, or equivalent	
Requirements for each degree	11 term courses beyond prereqs, incl senior req	14 term courses beyond prereqs, incl senior req
	1 course from <i>Mathematical Foundations and Theory</i> : MATH 2220 or 2250 or 2260	
	2 courses from <i>Core Probability and Statistics</i> (For the B.S., one of these courses must be S&DS 2420)	
	2 courses from <i>Computational Skills</i>	
	2 courses from <i>Methods of Data Science</i> (For the B.S., one of these courses must be S&DS 3650)	
	3 electives chosen from any discipline area, with DUS approval	
		3 additional electives: 1 from <i>Mathematical Foundations and Theory</i> and 2 from any discipline except <i>Data Science in Context</i> and <i>Methods in Application Areas</i> , with DUS approval
Senior Requirements	Senior Project (S&DS 4910 or 4920)	
Substitutions	Some substitutions permitted with DUS approval	

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Sociology

Degrees Offered

B.A.
Sociology

Prerequisite

None

Requirements for each degree

13 term courses (including senior req)					
Standard Major	Economy & Society concentration	Health & Society concentration	Data & Society concentration	Inequality, Race, & Society concentration	Student-Designed concentration
1 intro SOCY course	1 intro SOCY course		1 intro SOCY course	1 intro SOCY course	1 intro SOCY course
	ECON 2121 or ECON 2125	SOCY 1600 or SOCY 1601	SOCY 1000	SOCY 1700	1 adv seminar in sociology
SOCY 2001 <i>and</i> SOCY 2002	SOCY 2001 or SOCY 2002	SOCY 2001 or SOCY 2002	SOCY 2001 or SOCY 2002	SOCY 2001 or SOCY 2002	SOCY 2001 <i>and</i> SOCY 2002
SOCY 2100	SOCY 2100	SOCY 2100	SOCY 2100	SOCY 2100	SOCY 2100
1 course in social science methods	1 course in social science methods	1 course in social science methods	2 quantitative methods courses		1 course in social science methods
	2 intermed or adv inequality or economic sociology courses	2 intermed or adv SOCY courses relevant to concentration	1 intro statistics and 1 intermed or adv course in statistics	1 statistics course	
			1 semester of independent study		
6 electives; see Overview for details	4 electives; see Overview for details	5 electives; see Overview for details	2 electives; see Overview for details	6 electives; see Overview for details	5 electives; see Overview for details

Senior Requirements

<p>Non-intensive major (2 courses) One-term Senior essay SOCY 4100 and 1 addtl 3000-level SOCY sem</p>
<p>Intensive major (2 courses) Two-term senior essay SOCY 4200 and SOCY 4201</p>

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Spanish

Degrees Offered	B.A. Spanish	B.A. Spanish Intensive
Prerequisites for entering the major	1 course from SPAN 1400, 1450, 1500 or equivalent	
Requirements for each degree	10 credits (including senior requirement)	12 credits (including senior requirement)
	SPAN 2200	
	2 courses numbered SPAN 2200-2999	
	3 courses numbered SPAN 3000 or higher	5 courses numbered SPAN 3000 or higher
	3 electives numbered SPAN 2000 or higher or First-year seminar taught in Spanish	
	A maximum of one course taught in language other than Spanish may count toward major reqs, with DUS approval	
Senior Requirements	SPAN 4900 Senior Essay	

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Theater, Dance, and Performance Studies

Degree Offered

**B.A.
Theater, Dance, and Performance Studies**

Prerequisites for entering the major

**TDPS 1000
TDPS 1001**

Requirements

**10 term courses
(incl 1 senior req course)**

2 courses in each of four domains
Artistic Practice
Interarts
Histories
Performance Theory

1 elective

Senior Requirements

Senior seminar with substantial final essay, production seminar, or senior independent study
TDPS 4900, 4901, or 4902

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Women's, Gender, and Sexuality Studies

Degree Offered

**B.A.
Women's, Gender, and Sexuality Studies**

Prerequisites
for entering the major

None

Requirements
for each degree

12 term courses
(including senior requirements)

2 intermediate courses selected from:
WGSS 2205
WGSS 2206
WGSS 2207
WGSS 3340

1 methodology course

7 electives in area of focus
(at least one WGSS seminar numbered 3350 or above)

Senior Requirements

Two-term senior essay
WGSS 4490
and
WGSS 4491

Single-term senior essay
in upper-level WGSS seminar,
with instructor, DUS
permission
and
1 additional WGSS elective

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