CLAS Committee on Curricula and Courses
Chair: Stephen Stifano
Minutes
May 3rd, 2022

WebEx: https://uconnvtc.webex.com/uconnvtc/j.php?MTID=m5dfe0e961f7e4ecd939a7fdfbde526a7

I. Approvals by the Chair

Agenda Item	*Form*	*Action (Syllabus or Form linked)*
0		Your well-earned recess for summer at 5:08 PM on May 3rd.

II. Approved Proposals:

2022-117	**13085**	GEOG 2350E	Add Course (Guest: Nathaniel Trumbull) (**G**)(**S**)
2022-119	**13265**	PHIL 3212E	Add Course (Guest: Tom Bontly) (**G**)(**S**)
2022-126		DSDA	Add Subject Code
2022-121	**12987**	IMS/CHEM 5301	Revise Course (Add crosslist)
2022-122	**13006**	IMS/CHEM 5302	Revise Course (Add crosslist)
2022-123	**13007**	IMS/CHEM 5303	Revise Course (Add crosslist)
2022-124	**13008**	IMS/CHEM 5304	Revise Course (Add crosslist)
2022-125	**13505**	POLS/WGSS 2807/W	Revise Course (Add crosslist)
2022-127	**13345**	POLS/WGSS 5410	Revise Course (Add crosslist)
2022-130		Asian American Studies	Revise Minor
2022-131		Religion	Revise Minor
2022-132	**13405**	STAT 5125	Revise Course
2022-133	**12285**	PHYS 5094	Revise Course
2022-135		Political Science	Revise Major
2022-136		Political Science	Revise Minor
2022-137		Climate Science	Add Minor

III. Tabled Proposals:

2022-129		Applied Data Analysis	Add Major (Guests: Elizabeth Schifano, Lyle Scruggs)
2022-134	**13545**	DSDA 4815	Add Course (Guests: Elizabeth Schifano, Lyle Scruggs)
2022-128		Statistical Data Science	Add Major (Guests: Elizabeth Schifano, Lyle Scruggs)
2022-118	**12727**	MATH 3180	Add Course (more syllabus)
2022-120	**13365**	SOCI 2655/W	Add Course (**G**)(**S**)

IV. Reminders:
Reminder: Members Must Review Added Courses in AY 21-22 for alignment with CLAS Strategic Plan
Reminder: Share Committee Membership Changes with Steve

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2022-117 13085 GEOG 2350E Add Course (Guest: Nathaniel Trumbull) (G)(S)

Approved Copy:

GEOG 2350E. Geography of Energy for Sustainability
3.00 credits
Prerequisites: None.

Grading Basis: Graded

Introduction to energy solutions for global sustainability. Topics may include the geographic context of global and local energy use, energy transition, renewable energy, solar, offshore wind, and energy justice. CA 2. CA 4-INT.

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2022-119 13265 PHIL 3212E Add Course (G)(S)

Approved Copy:

PHIL 3212E. Philosophy and Global Climate Change
3.00 Credits
Prerequisites: One 3-credit course in Philosophy at the 1100-level
Grading Basis: Graded

Ethical, epistemological, and conceptual issues raised by global climate change. The nature of scientific inquiry; role of models in scientific explanation; sources of uncertainty in climate projections; objectivity and values in science; decision-making under risk and uncertainty; obligations to future generations; global justice and burden sharing; individual versus collective responsibility for carbon emissions; the ethics of geoengineering.

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2022-126 DSDA Add Subject Code

Approved Name: Statistical Data Science and Data Analysis
Approved Code: DSDA

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2022-121 12987 IMS/CHEM 5301 Revise Course

Approved Copy:

IMS 5301. Microstructural and Morphological Analyses
Also offered as CHEM 5301
3.00 credits
Prerequisites: None.
Grading Basis: Graded

Lecture on sample preparation and analyses for optical and electron microscopy methods including scanning electron microscopy, transmission electron microscopy, energy dispersive X-ray analysis, focused ion beam methods, and electron energy loss spectroscopy.

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2022-122 13006 IMS/CHEM 5302 Revise Course

Approved Copy:

IMS 5302. Structural Analysis
Also Offered As CHEM 5302
3.00 credits
Prerequisites: None.
Grading Basis: Graded

Lecture on sample preparation and analyses for X-ray diffraction, X-ray fluorescence, X-ray imaging, Rietveld refinement, Thin Film X-ray Analyses, and In Situ methods.

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2022-123 13007 IMS/CHEM 5303 Revise Course

Approved Copy:

IMS 5303. Compositional Analyses
Also offered as CHEM 5303
3.00 credits
Prerequisites: None.
Grading Basis: Graded

Lecture on sample preparation and analyses, for characterization of compositions of materials. Methods to be discussed include titrations, atomic absorption, inductively coupled plasma mass spectrometry, infrared, Raman, Ultraviolet visible, fluorescence, chromatography, and mass spectrometry.

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2022-124 13008 IMS/CHEM 5304 Revise Course

Approved Copy:

IMS 5304. Surface and Interfacial Analysis:
Also offered as CHEM 5304
3.00 credits
Prerequisites: None.
Grading Basis: Graded

Lecture on sample preparation and analyses for surfaces and interfaces, including scanning Auger microscopy, secondary ion mass spectrometry, X-ray photoelectron spectroscopy, contact angle measurements, and temperature program methods.

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2022-125 13505 POLS/WGSS 2807/W Revise Course (Add crosslist)

Approved Copy:

POLS 2807. Women and the Law

Also offered as WGSS 2807
3.00 Credits.
Prerequisites: None.
Grading Basis: Graded

The development of constitutional and statutory standards for treatment of women under the law in the United States.

POLS 2807W. Women and the Law
Also offered as WGSS 2807W
3.00 Credits.
Prerequisites: ENGL 1007 or 1010 or 1011 or 2011
Grading Basis: Graded

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2022-127 13345 POLS/WGSS 5410 Revise Course (Add crosslist)

Proposed Copy:
POLS 5410. Black Feminist Theory and Politics
Also offered as WGSS 5410
3.00 credits
Prerequisites: None.
Grading Basis: Graded

Major debates at the core of black feminist theory, emphasizing the ways in which interlocking systems of oppression uphold and sustain each other in contemporary U.S. politics.

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2022-130 Asian American Studies Revise Minor

Approved Copy:

The Asian and Asian American Studies Institute (AAASI) at the University of Connecticut offers an interdisciplinary Minor in Asian American Studies. This minor reflects the comparative contours of Asian American Studies as a distinct race-based interdiscipline.

The minor requires students to complete fifteen (15) credits at the 2000-level and above by fulfilling the requirements for Groups A and B, below. AA AS 3998 can be taken repeatedly provided that the course content is varied. AAAS 3295 and AAAS 4999 require prior consent of the Minor Advisor for fulfillment of minor. Students must earn a grade of C or better in each of the courses applied to the minor. A maximum of 3 credits towards the minor may be transfer credits of courses equivalent to University of Connecticut courses.

Group A: Asian American Studies (9 Credits)

AAAS 2201, AAAS 3220/ARTH 3020, AAAS/ARTH 3375, AAAS/ENGL 3212, AAAS/HIST 3531, AAAS/HIST 2530, AAAS 3875/LLAS 3875/HIST 3875/HDFS 3473, AAAS 3998, AAAS 3295,

AAAS 4999, AAAS/HIST 3845, HRTS/HIST 3202, SOCI 2835, SOCI 2271

Group B: Comparative Ethnic Studies/Women's, Gender, Sexualities Studies (6 Credits)

AFRA/ENGL 2214, AFRA/HIST/HRTS 3563, AFRA/SOCI 2530, AFRA/SOCI 2520, AFRA/HIST 3564, AFRA/DRAM 3131, LLAS 3241/ANTH 3041, POLS 3082, POLS 3017, WGSS/HIST 3562, HDFS 3268, AAAS/SOCI 2210, AAAS/SOCI/HRTS 2220, ANTH 3202W, AAAS 3998, AAAS 3295, AAAS 4999

Pending the Minor Advisor's approval, students may count up to six credit hours in independent study, and a maximum of 3 credits in Group A may be transferred to Group B.

Consult with the Minor Advisor before completing the Plan of Study form. A copy of the approved Plan of Study must be filed with both the Asian/Asian American Studies Institute and Degree Auditing of the Registrar's Office, located in the Wilbur Cross Building, Room 144, during the first three weeks of the semester the student expects to graduate.

Minor Advisors for Asian/Asian American Studies Institute

- Professors Jason Oliver Chang and Na-Rae Kim

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2022-131 Religion Revise Minor

Approved Copy:

Fifteen credits at the 2000-level or above are required, six credits from Group A, Foundational Courses, and nine additional credits from either Group A or B, Topical Courses. No more than six credits may be taken in any one department. A maximum of three credits toward the minor may be transfer credits of courses equivalent to University of Connecticut courses. Substitutions for required courses are possible only with the consent of the minor coordinator.

Group A: Foundational Courses
ANTH 3400, 3401, 3405; INTD 3260; PHIL 3231; SOCI 2670/W~~SOCI 3521~~

Group B: Topical Courses
AASI/ART/INDS 3375; ANTH 2400, 3098*, 3402, 3403, 5331; ANTH/HEJS 3050; ARTH 2020, 3140, 3150, 3210, 3220, 3230, 3240, 3260/W, 3710/W, 3995*; CAMS 3213, 3244, 3245, 3295*, 3298*; CAMS/HIST 3301, 3320, 3321, 3325, 3326, 3330/W, 3335, 3340; ENGL 2603, 3617, 3621*, 3623*, 3627*; HEJS 2104, 3201, 3202, 3241, 3295*, 3298, 3301; HDFS 3252; HIST 3095*, 3098*, 3360, 3361, 3371, 3704; INDS 3293*, 3295*, 3298*, 3299*; ILCS 3247, 3256, 3255W; INTD 3999*; PHIL 3261/W, 3263; SOCI 2240/W.

*Variable subject courses may be applied to the Minor depending on content and the approval of the Minor Coordinator.
The minor is offered by the College of Liberal Arts and Sciences. For more information, contact the Literatures, Cultures, and Languages Department by phone at (860) 486-3313 or e-mail

Sara.Johnson@uconn.edu.

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2022-132 **13405** **STAT 5125** **Revise Course**

Approved Copy:

STAT 5125. Statistical Computing for Data Science
3.00 credits
Prerequisites: Instructor consent and introductory course in mathematical and applied statistics; introductory course in programming.

Grading Basis: Graded

Principles and practice of statistical computing in data science: data structure, distributed computing and project management tools, data visualization, and data programming including simulation, resampling methods, and applications of optimization for statistical modeling, inference, and prediction.

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2022-133 **12285** **PHYS 5094** **Revise Course**

Approved Copy:

PHYS 5094. Physics Seminar
1.00 credits. May be repeated for credit up to a maximum of 2.00 credits
Prerequisites: None.
Grading Basis: Satisfactory/Unsatisfactory

The treatment of special topics, primarily by individual readings and reports.

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2022-135 **Political Science** **Revise Major**

Approved Copy:

Major Courses

A. A minimum of nine credits in Political Science 1000-level courses from the following subdivisions: Theory and Methodology (POLS 1002), Comparative Politics (POLS 1202 or 1207), International Relations (POLS 1402), and American Politics (POLS 1602). It is recommended that these courses be taken during the first two years of study.
B. A minimum of 24 credits in Political Science numbered 2000 or higher (none on a pass-fail basis):
    0. At least one course in four of the following six subdivisions (total of 12 credits):
    1. **Theory and Methodology:** POLS 2023, 2062, 2072Q, 2073Q, 3002, 3012, 3017, 3019, 3022W, 3030, 3032,

3040, 3042, 3062, 3072, 3082, 3672

2. **Comparative Politics:** POLS 2222, 3202, 3203, 3205, 3206, 3208, 3209, 3211, 3212, 3214, 3216, 3228, 3235, 3237, 3239, 3240, 3245, 3249, 3250, 3252, 3255, 3256
3. **International Relations:** POLS 2406, 2450, 3247, 3402, 3406, 3410, 3412, 3413, 3414, 3418, 3422, 3428, 3429, 3430, 3432, 3434, 3437, 3438W, 3442, 3447, 3450, 3457, 3462, 3464, 3472, 3476, 3710
4. **American Politics:** POLS 2607, 2622, 3600, 3601, 3602, 3603WQ, 3604, 3606, 3608, 3610, 3612, 3613, 3615, 3617, 3618, 3622, 3625, 3627, 3632, 3642, 3647, 3652, 3662, 3667, 3720, 3815, 3850
5. **Public Administration, Policy and Law:** POLS 2062, 2803, 2807, 2827, 3802, 3807, 3812, 3817, 3822, 3827, 3832, 3834, 3837, 3842, 3847, 3852, 3857
6. **Intersectional Indigeneity, Race, Ethnicity, and Politics:** POLS 3019, 3030, 3082, 3210, 3216, 3218, 3247, 3249, 3252, 3418, 3464, 3632, 3633, 3642, 3647, 3652, 3662, 3667, 3672, 3807, 3834, 3837
7. Other 2000 level (or higher) Political Science courses totaling a minimum of 12 credits.
8. Students must take at least one three credit W course within the major. Advanced information literary exit requirements are incorporated into all W courses in the major, and students who successfully complete political science W courses will have met this requirement.

Notes

A W or Q may be substituted for the same numbered course. Cross-listed courses may only be counted once. All POLS 2998 courses apply to the major and may count towards the subdivision requirement. The subdivisions assigned to these courses can be found at polisci.uconn.edu/undergraduate/advising. POLS 3995 courses may be counted towards part one only with the consent of the advisor. POLS 2993, 3023, 3426, 3991, 3993, 3999, 4994, and 4997W may not be counted towards part one. Interdepartmental (INTD and UNIV) courses may not be included in the 24 credits. No more than six credits of independent study and/or field work (of which no more than three credits may be for POLS 3991) can be counted toward the 24 credits.

Related Courses

At least 12 credits in courses related to Political Science taken from one or more other departments. These courses must be numbered 2000 or higher and cannot be taken on a pass-fail basis. All 2000-level (or higher) courses in Anthropology, Economics, Geography, History, Human Rights, Philosophy, Public Policy and Sociology will meet this requirement. Any course within these departments that is cross-listed with POLS will count towards the major and not as a related. Certain other courses have been approved and are listed on polisci.uconn.edu. Courses not in the departments listed above or included on the pre-approved list may be approved as related courses at the discretion of the advisor.

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Students must complete an introductory 1000-level course selected from among POLS 1002, 1202, 1207, 1402, or 1602. At least one additional 1000-level course is recommended. Students must complete at least 15 credits of course work at the 2000's level or higher. POLS 2998 courses apply to the minor and may count towards this subdivision requirement. The subdivisions assigned to these courses can be found at www.polisci.uconn.edu. POLS 3995 courses may be counted toward this distribution only with consent of the advisor. A W or Q course may be substituted for the same numbered course.
Of the 15 credits for the minor, nine credits (three courses) must be taken from three of the six disciplinary subdivisions as they appear below. Cross-listed courses may count only once towards this subdivision requirement.

Theory and Methodology: POLS 2023, 2062, 2072Q, 2073Q, 3002, 3012, 3017, 3019, 3022W, 3030, 3032, 3040, 3042, 3062, 3072, 3082, 3672

Comparative Politics: POLS 2222, 3202, 3203, 3205, 3206, 3208, 3209, 3211, 3212, 3214, 3216, 3228, 3235, 3237, 3239, 3240, 3245, 3249, 3250, 3252, 3255, 3256

International Relations: POLS 2406, 2450, 3247, 3402, 3406, 3410, 3412, 3413, 3414, 3418, 3422, 3428, 3429, 3430, 3432, 3434, 3437, 3438W, 3442, 3447, 3450, 3457, 3462, 3464, 3472, 3476, 3710

American Politics: POLS 2607, 2622, 3600, 3601, 3602, 3603WQ, 3604, 3606, 3608, 3610, 3612, 3613, 3615, 3617, 3618, 3622, 3625, 3627, 3632, 3642, 3647, 3652, 3662, 3667, 3720, 3815, 3850

Public Administration, Policy and Law: POLS 2062, 2803, 2807, 2827, 3802, 3807, 3812, 3817, 3822, 3827, 3832, 3834, 3837, 3842, 3847, 3852, 3857

Intersectional Indigeneity, Race, Ethnicity, and Politics: POLS 3019, 3030, 3082, 3210, 3216, 3218, 3247, 3249, 3252, 3418, 3464, 3632, 3633, 3642, 3647, 3652, 3662, 3667, 3672, 3807, 3834, 3837

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2022-137 **Climate Science** **Add Minor**

Approved Copy:

Students must complete at least 15 credits from the courses listed below. At least one course must come from the list of Climate in Social Sciences courses and at least three courses must come from the list of Climate in Natural Sciences.

Climate in Social Sciences

- ANTH / EVST 3340E. Culture and Conservation
- ARE 4444. Economics of Energy, Climate, and the Environment
- ENVE / ENVS / EVST 3100. Climate Resilience and Adaptation: Municipal Policy and Planning
- ENVE 4850. Sustainable and Resilient Water Governance and Management
- GEOG 2320E. Climate Change: Current Geographic Issues
- GEOG 2400E. Introduction to Sustainable Cities
- GEOG 3350. Global Change, Local Action: A Geography of Environmentalism
- GEOG 4240. Disaster Risk, Vulnerability, and Resilience
- MARN 2801WE Marine Sciences and Society
- POLS 3240E. Climate Justice
- SOCI 2701E/WE. Sustainable Societies
- SOCI 2709E/WE. Society and Climate Change

Climate in Natural Sciences

- CHEM 4370. Environmental Chemistry - Atmosphere
- ENVE 3230. Air Pollution Control
- ENVE 4810. Engineering Hydrology
- EEB 2100E. Global Change Ecology
- GEOG 2300E. Introduction to Physical Geography
- GEOG 3400. Climate and Weather
- GEOG 4300. Classic Papers in Climate Science
- ERTH 2800. Our Evolving Atmosphere
- ERTH 4430. Stable Isotope Biogeochemistry
- ERTH 4560. Fundamentals of Planetary Science
- ERTH 4720. Environmental Geochemistry
- ERTH 4810. Modeling the Changing Atmosphere and Ocean
- ERTH 4850. Paleoclimatology
- MARN 3000E. The Oceans and Global Climate
- MARN 4052. Paleoceanography
- MARN 4060. Physical Oceanography
- NRE 3115. Air Pollution
- NRE 3145. Meteorology
- NRE 3146. Climatology
- NRE 4170. Climate-Human-Ecosystem Interactions

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III. Tabled Proposals:

2022-129 Applied Data Analysis Add Major (Guests: Elizabeth Schifano, Lyle Scruggs)

Proposed Copy:

The Applied Data Analysis major gives students broad training in the following core areas of data science: computer programming and data management, data analysis, data visualization, and data ethics. Students with this major obtain a Bachelor of Arts (B.A.) degree. The major can be tailored for a student's interest in a domain area. In order to apply to the Applied Data Analysis major, students must have:

-- a GPA of 3.2 or higher in the following classes: MATH 1132Q, STAT 1000Q/1100Q, and an introductory programming course (CSE 1010, 1729, STAT 2255, COGS 2500Q).

– completed at least 24 credits, 15 of which must be at the University of Connecticut, with a cumulative GPA of 3.2 or higher.

After entry into the majors, students must maintain a 3.2 cumulative GPA.

Students receiving a BA in Applied Data Analysis are required to take one or more courses in four core areas, a nine-credit domain sequence, STAT 3255 (Introduction to Data Science), and a domain-specific Capstone course. Students meet the "writing in the major" requirement in a domain-specific W course, which may be combined with the Capstone course.

The four core area requirements are:
1. Programming and data management: 1 course (3 credits) STAT 2255 or COGS 2500Q
2. Basic Data Analysis: 1 course (3 credits): STAT 3215Q
3. Data Ethics 1 course (3 credits): PHIL 32XX
4. Data Visualization 1 course (at least 3 credits): STAT 3675Q or GEOG 3510

Students must select one of the following domains areas, consisting of at least 9 credits of domain coursework, a capstone course, and a W course:

Earth Data Science
Domain: three of the following: GSCI 2800, GSCI 3020, GSCI 3710, GSCI 4230, GSCI 4810
Capstone: GSCI 4150
W course: GSCI 2050W

Public Management and Policy
Domain: three of the following: PP 3032, PP 3033, PP 3098, PP 4031, PP 4034
Capstone: DSDA 4815
W course: PP 3020W

Survey Research Methods
Domain: PP 2100, PP 3030, PP 3098
Capstone: DSDA 4815
W course: PP 3020W

Social Demography
Domain: SOCI 2651/W, SOCI 3971/W, SOCI 2901(W)

Capstone: DSDA 4815

At least six (6) additional credits must be taken from approved domain areas above or the list of courses below to reach a total of at least 36 credits.
GEOG 2500, GEOG 3500Q, STAT 2215Q, STAT 3025Q, STAT3515Q, STAT 3375Q

Note that at most two courses in the major can count towards a minor from a participating department.
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2022-134 13545 *DSDA* 4815 Add Course (Guests: Elizabeth Schifano, Lyle Scruggs)

Proposed Copy:

DSDA 4815. Applied Data Analytics Capstone
1.00-3.00 Credits.
Prerequisites: STAT 3255. Not open for credit for students in the Bachelor of Science in Statistical Data Science program.
Grading Basis: Graded

Development and execution of original, student-led research projects.

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2022-128 Statistical Data Science Add Major (Guests: Elizabeth Schifano, Lyle Scruggs)

*Proposed Copy: *Subject to revision from CLAS CCC BS Subcommittee*

The Statistical Data Science major gives students a broad training in the following core areas of data science: computer programming and data management, basic and advanced data analysis, data visualization, and data ethics. Students with this major obtain a Bachelor of Science (B.S.) degree. The major can be tailored for a student's interest in a domain area.

For a Statistical Data Science major that leads to a Bachelor of Science degree, students must take STAT 1000Q or 1100Q (STAT 1100Q is recommended over STAT 1000Q) and one of the following MATH sequences: MATH 1131Q (or 1151Q) and 1132Q (or 1152Q); or MATH 2141Q and 2142Q. In addition, B.S. majors must also take one of the following: MATH 2110Q or 2130Q or 2210Q or 2410Q or 2420Q.

B.S. students must take one of the following science sequences in Biology, Chemistry, or Physics:

- Biology: BIOL 1107 and either BIOL 1108 or 1110.
- Chemistry: CHEM 1124Q, 1125Q, 1126Q; or CHEM 1127Q, 1128Q; or CHEM 1137Q, 1138Q; or CHEM 1147Q, 1148Q.
- Physics: PHYS 1201Q, 1202Q; or PHYS 1401Q, 1402Q; or PHYS 1501Q, 1502Q; or PHYS 1601Q, 1602Q.

One of these courses may be used to fulfill the CA 3 lab requirement of the University's general education requirements. In addition, students must take one other CA 3 course from a different subject area, but it need not be a lab course.

In order to apply to the Statistical Data Science major, students must have:

-- a GPA of 3.2 or higher in the following classes: MATH1132Q, STAT1000Q/1100Q, and an introductory programming course (CSE 1010, CSE 1729, or STAT2255).

– completed at least 24 credits, 15 of which must be at the University of Connecticut, with a cumulative GPA of 3.2 or higher.

After entry into the majors, students must maintain a 3.2 cumulative GPA.

Students receiving a BS in Statistical Data Science are required to take one or more courses in the core areas, a nine-credit domain sequence, STAT3255 and STAT 4915 (capstone). To satisfy the information literacy competency and writing in the major requirement, Statistical Data Science majors must also take STAT4916W.

The core area requirements are:
1. Programming and data management: 1 course (3 credits) STAT 2255
2. Basic Data Analysis: 2 courses (6 credits): STAT 3025Q or STAT 3375Q* or MATH3160; STAT 3215Q
3. Data Ethics 1 course (3 credits): PHIL 3209
4. Data Visualization 1 course (at least 3 credits): STAT 3675Q or GEOG 3510
5. Advanced analysis: 2 courses (6 credits): MATH 2210Q; STAT 4255

*Students completing a Statistics domain must take STAT3375Q to meet this requirement.

To complete the nine-credit domain sequence, students must take at least 9 credits from one of the following groups:

Financial Analysis: three of the following: ECON 3313, ECON 3315, ECON 3413, ECON 4323

Statistics: STAT 3445, STAT 3675Q**, and one of the following STAT 3515Q, STAT 3965/MATH 3170, STAT 4525, STAT 4625, STAT 4825, STAT 4875; at least 3 of the 9 credits must be at the 4000 level.
**If STAT3675Q is used to satisfy the Data Visualization Requirement, a different course from the list must be selected to reach at least 9 credits in the Statistics Domain.

Social Demography: SOCI 2651, SOCI 2901(W), SOCI 3971

Note that at most two courses in the major can count towards a minor from a participating department.
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2022-118 **12727** **MATH 3180** **Add Course** (more syllabus)

Proposed Copy:

MATH 3180. Mathematics for Machine Learning
Credits: 3.00
Prerequisites: MATH 2110Q and 2210Q
Recommended preparation: MATH 3160
Grading Basis: Graded

Mathematics topics applied to machine learning and data science, such as linear regression, gradient descent, logistic regression, principal component analysis, bayesian regression, support vector machines, and neural networks.

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2022-120 13365 SOCI 2655/W Add Course (G)(S)

Proposed Copy:

SOCI 2655. Sociology of Carework
3.00 credits
Prerequisites: none
Grading Basis: Graded

Organization of carework, both nurturing and social reproduction, including activities essential for daily living; meanings and complexity of carework in varied contexts, for diverse populations, and through different working conditions; alternative ways of organizing carework infrastructure.

SOCI 2655W. Sociology of Carework
3.00 credits
Prerequisites: ENGL 1007 or 1010 or 1011 or 2011
Grading Basis: Graded

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ATTENDANCE (in black)**:**

AAAS	Na-Rae Kim
AFRA	Shawn Salvant
ANTH	Dimitris Xygalatas
CHEM	Fatma Selampinar
CLAS DEAN'S OFFICE	Mansour Ndiaye
CLAS DEAN'S OFFICE	Rebecca Bacher
CLAS DEAN'S OFFICE	Lyn Tribble
COMM	Anne Oeldorf-Hirsch
ECON	Richard Langlois
EEB	Paul Lewis
ENGL, AMST	Anna Mae Duane
ENVS/EVST	Jason Vokoun
EVST/GEOG	Debs Ghosh
ERTH	Michael Hren
HDFS	Beth Russell
HIST	Nu-Anh Tran
HRTS	Kathy Libal
JOUR	Gail MacDonald
LING	Jon Gajewski
LCL	Sara Johnson
LLAS	Anne Gebelein
MATH	Guojun Gan

MARN	Heidi Dierssen
MAST	Mary Bercaw Edwards
MCB	David Knecht
PHIL	Alexus McLeod
PHYS	Boris Sinkovic
PNB	John Redden
POLS	Evan Perkoski
PSYC	Rob Henning
PUBL	Jennifer Dineen
SOCI	Ralph McNeal
SLHS	Lendra Friesen
STAT	Victor Hugo Lachos
WGSS	Ariana Codr