

Plan of Study: B.S. in Mathematics–Physics, Catalog Year 2021-2022

Student Information.

Name: _____ . Peoplesoft ID: _____ .

Permanent Address: _____ .

UConn Email: _____ . Other Email: _____ .

Phone Number: _____ . Signature: _____ . Date: _____ .

Degree Sought : B.S. Anticipated Date of Completion: _____ .

All courses listed below must be completed for credit, regularly graded and not pass/fail except for courses taken during the Spring 2020 semester with the further exception of MATH 2710, and 2142Q which must have a C (2.0) or better in order to satisfy the prerequisite for some required courses. Check the box next to your chosen track.

TRACK A (Physics Emphasis)

Requirement 1. Complete one of the following two sequences of courses. Check one completed

- (i) MATH 2110Q (or 2130Q or 2143Q) and 2210Q and 2410Q (or 2420Q)
(ii) MATH 2141Q and 2142Q and 2143Q and 2144Q

Requirement 2. Complete all of the following courses. Check completed/anticipated

- (i) MATH 3146, 3410 and 3510
(ii) PHYS 2300, 2501W, 3101, 3201, 3202, 3300, 3401

Requirement 3. Complete at least 9 additional credits from the following Physics courses: PHYS 2200, 2400, 2502, 3102, 3150, 3402, 3989, 4093, 4095, 4096W, 4098, 4099, 4100, 4130, 4140, 4150, 4210, 4300, 4350, 4900.

Course: _____ . Credits _____ . Course: _____ . Credits _____ .
Course: _____ . Credits _____ . Course: _____ . Credits _____ .

TRACK B (Mathematics Emphasis)

Requirement 1. Complete one of the following two sequences of courses. Check completed

- (i) MATH 2110Q (or 2130Q or 2143Q), 2210Q, 2410Q (or 2420Q), 2710 (or 2141Q and 2142Q), and 3146
(ii) MATH 2141Q, 2142Q, 2143Q, 2144Q and 3146

Requirement 2. Complete all of the following courses. Check completed/anticipated

PHYS 2300, 2501W, 3101, 3201, 3202, 3401

Requirement 3. Complete at least 3 additional credits from among: PHYS 2200, 2400, 2502, 3102, 3150, 3300, 3402, 3989, 4093, 4095, 4096W, 4098, 4099, 4100, 4130, 4140, 4150, 4210, 4300, 4350, 4900.

Course: _____ . Credits _____ . Course: _____ . Credits _____ .

Requirement 4. Complete at least 4 additional courses from MATH 3150 (or 4110), 3151, 3160 (or 3165), 3210, 3230 (or 4210), 3330 (or 4310), 3370 and 3410.

Course: _____ . Credits _____ . Course: _____ . Credits _____ .
Course: _____ . Credits _____ . Course: _____ . Credits _____ .

W course in the major requirement: Complete PHYS 2501W

Approval Signatures.

Mathematics Advisor: _____ . Physics Advisor: _____

Department Head or Undergraduate Program Director: _____ .

CLAS General Education Audit Sheet 2021-2022

(Find the official list in the University Catalog at catalog.uconn.edu/directory-of-courses)

SECOND LANGUAGE COMPETENCY

- A) 3 years high school level or B) 2 years high school level plus passing the 2nd year (Intermediate) UConn level or
C) 1st (Elementary) and 2nd (Intermediate) UConn levels or D) Successful completion of language equivalency exam

WRITING COMPETENCY: First-Year English + 2 W courses

ENGL 1007 or 1010 or 1011 or 2011 or 6 or more credits of ENGL 91002 & 91003 (transferred);

2000+ level W [each] major: _____ 2nd W any level: _____

QUANTITATIVE COMPETENCY: 3 Q courses, one must be MATH or STAT

ENVIRONMENTAL LITERACY COMPETENCY: 1 E Course (2019-2020 or later catalog year)

_____ Q

_____ Q

_____ Q

_____ E

CONTENT AREA ONE: ARTS & HUMANITIES BA: 5 courses with at least one from each category A-D. 5th course can come from any area A-E

(Must select from at least 4 different academic units) BS: 4 courses with at least one from each category A-D.

A: ARTS

AAAS/AFRA/ARTH 2222
AAAS/ART/INDS 3375
AAAS/DRAM 2136/W
AFRA/DRAM 3132 AFRA/
FINA 1100 AMST/CLCS/
HEJS 2204 AMST/MUSI
1002 AMST/URBN 2400
ARAB 3771 ART 1000 ARTH
1128; 1137; 1138; 1140;
1141; 1162 ARTH/AMST/
DMD 3570 ARTH/HIST/
ARIS 3710/W ARTH/HRTS
3575; CHIN 3250W*;
3270 CLCS 1002; 1110;
3211 DRAM 1101; 1110;
1501; 1811; 2134
DRAM/HEJS/HRTS 2203
FINA / MUSI 1001/1006
FREN 1171GERM 1171;
3261W*; 3264W ILCS 1149;
3258W; 3260W MUSI 1001;
1003;1004; 1005; 1021; 1022;
1112; 1120; 3407W SPAN
1010;1020; 1030; 3250
WGSS 1104; 2217W

B: LITERATURE

AAAS/ENGL/JAPN 2305
AMST/ENGL 2200; 2274W; 2276/W
ARAB 3550W ARIS/WGSS
1170/W CAMS 1101; 1102;
1103 CLCS 1101; 1102
ENGL 1101W; 1103W; 1503;
1616W; 2100; 2101; 2201W;
2203W; 2401; 2405; 2407; 2408W;
2409; 2411W; 2413W; 2605W;
2607; 2635E; 2640W; 2730W;
3320; 3629; 3633W; 3640/W
ENGL/HEJS 3220W/3401W
FREN 1176; 3234*; 3261*; 3262*;
3270W GERM 1140W; 1920;
3252W*; 3254W*; 3255W*
HEJS 1103; 3201; 3301
ILCS 1101; 1180; 1158; 3248W;
3255W SPAN 1007; 3232*; 3267W
SPAN/LLAS 1009/W

C: HISTORY

AAAS/HIST 2101; 3554; 3822
AAAS/HIST/AMST 3531
AFRA/HIST 3206
AFRA/HIST/LLAS 3619/W
AMST 1700 AMST/ENGL/
HIST 2207 AMST/HIST 2810
ARAB 3751
CAMS/HIST 2020; 3326
CLCS/ENGL 2609 DMD 2010
ECON 2101W; 2102W; 2103
GEOG/URBN 1200 HIST
1100W; 1200; 1201; 1206;
1250; 1300; 1400; 1450;
1501W; 1502W; 1800; 1801;
1805; 2205W; 2222E;
2401W; 2402W; 2412W;
2413W; 3540E/W; 3705
HIST/HEJS 3362; 3419
HIST/LLAS
1570; 1600W/1190W; 3607;
3609; 3635; 3660W;
3674/3220 HIST/MAST
2210E HIST/SCI 2206 HIST/
URBN 2650 HIST/WGSS
1203/1121 JOUR 1002; 2010
MAST 1200

D: PHILOSOPHY & ETHICAL

ANALYSIS
ECON 2120
GERM 1175
HEJS 2104
HRTS 3200W;
3250W
HRTS/PHIL
2170W; 3220/W
LAND 2210E
LING 1010
NRE 1235E
PHIL 1101; 1102;
1103; 1104; 1105;
1106; 1107; 1108E;
1165W; 1175; 2410
POLS 1002;
2023/W

E: WORLD CULTURES

AAAS 1000, 1001
AAAS/AMST 2201
AAAS/HIST 3820
ANTH 1001W; 3401;
3450W
ARAB 1751; 1771; 2751
ARIS 1211
CHIN 1121; 1122; 3230W
CLCS 1103W; 2201
CLCS/HEJS 2301
FREN 1169; 1177;
3210*; 3211W*; 3218*;
3224*; 3235*; 3267*;
3268W*
GERM 1169; 2400E;
3251; 3258; HEJS 2200
ILCS 1160; 1170
INTD 3260 NURS 2175
SPAN 1008

CONTENT AREA TWO: SOCIAL SCIENCES - 2 courses from 2 different academic units

AFRA/SOCI 2250, 2461 ANTH 1000W; 1006; 1010E; 1500; 2000W; 2400 ANTH/AFRA 3152 ANTH/EVST 3340E ANTH/HRTS 3230W ARE 1110E;
1150; 2235 COMM 1000 DMD 2620 ECON 1000; 1101; 1107E; 1108; 1179; 1200; 1201; 1202 EDCI 1100; 2100 ENVE 1000E EPSY 1450W; 1830;
2450W; 2810 EVST 1000E GEOG 1000; 1700; 2000; 2100; 2200; 2320E; 2400E HDFS 1060; 1070; 2142E; 3141; 3311; 3540 HRTS 1007; 2100W;
2200 LING 1020; 1030; 2850; 3610W LLAS 1000 LLAS/SOCI 3525W MAST 1300 POLS 1202; 1207; 1402W; 1602W; 3023W; 3208W; 3211W;
3237W; 3240E; 3250W; 3603WQ; 3610W; 3615W PP 1001 PSYC 1101 or 1103 PUBH 1001 SLHS 1150W SOCI 1001W; 1251W; 1501W; 1701;
2310; 3823 SPSS 1060 URBN 1300W WGSS 1105; 2124; 3253W

BA

LABORATORY COURSES:

ANTH 2600 BIOL 1102; 1103; 1107; 1108; 1110 CHEM 1122; 1124Q; 1127Q; 1128Q; 1147Q; 1148Q
GEOG 1302 GSCI 1050 (or 1010 or 1051 or 1055 or 1070 & 1052) MARN 1003; 1004 AND 1002
MCB 1200; 1201; 2612 PHYS 1010Q; 1025Q; 1035Q; 1075Q; 1201Q; 1202Q; 1401Q; 1402Q; 1501Q; 1502Q; 1600Q; 1601Q; 1602Q

NON-LABORATORY COURSES

AH/NUSC 1030 ANSC/NUSC 1645 BME/CSE/MCB/PNB 1401
CHEG 1200 COGS 2201 DMD 2010 EEB 2100E; **2202**; 2208E; 2222E; 2250; 3205E GEOG 1300E; 2300E; 2410 GEOG/GSCI 1070
GSCI 1000E; 1010; 1051; 1055 LING 2010Q MARN/MAST 1001E MARN 1002; 3000E MCB 1405 NRE 1000E NUSC 1165
PHAR 1000; 1001E; 1005 PHYS 1020Q; 1030Q; 1040QE PSYC 1100 SPSS 1060; 1150; 2120

BS

BIOLOGY 1107 or 1108 or 1110

CHEMISTRY 1124Q & 1125Q & 1126Q
 or 1127Q & 1128Q
 or 1147Q & 1148Q

MATH 1131Q & 1132Q
 or 1151Q & 1152Q
 or 2141Q & 2142Q

PHYSICS 1201Q & 1202Q
 or 1401Q & 1402Q
 or 1501Q & 1502Q
 or 1601Q & 1602Q

BS—ECON

Select 1 Sequence

BIOLOGY 1107 & either 1108 or 1110
 or

CHEMISTRY 1124Q & 1125Q & 1126Q
 or 1127Q & 1128Q
 or 1147Q & 1148Q

or
PHYSICS 1201Q & 1202Q
 or 1401Q & 1402Q
 or 1501Q & 1502Q
 or 1601Q & 1602Q

Plus, one additional content area 3 laboratory or non-laboratory course from a different subject

CONTENT AREA FOUR: DIVERSITY & MULTICULTURALISM - 2 courses

At least one course must be on the list of International courses

USA

AAAS 1000; AAAS/AFRA/ARTH 2222 AAAS/AMST 2201 AAAS/ENGL 3212 AAAS/HIST 3554 AAAS/HIST/AMST 3531 AAAS/SOCI 3221 AFRA/ANTH 3152 AFRA/ARTH 3050W AFRA/DRAM 3131; 3132 AFRA/ENGL 2214W; 3213W; 3215W; 3217W AFRA/FINA 1100 AFRA/POLS 3642 AFRA/PSYC 3106 AFRA/SOCI 2461 AFRA/SOCI/HRTS 3505 AMST/CLCS/HEJS 2204 AMST/ENGL 2274W AMST/ENGL/HIST 1201/1201/1503; 2207 AMST/MUSI 1002 ANTH 2000W; 3150W; 3202W; 3902; 3904 ARTH 3640W; 3645W ARTH/AMST/DMD 3570 CLCS/HEJS 2301 COMM/LLAS/WGSS 3321/3264/3260 DRAM 3130; 3133 DMD 2620 EDCI 2100 EDLR 2001 ENGL 1601W; 3210; 3218W ENGL/HEJS 3401W/3220W ENGL/LLAS 3605/3232 ENGL/WGSS 3609; 3611; 3613 EPSY 2100 HDFS 2001; 3141; 3261 HEJS 1103; 3301 HIST 2570; 3204W; 3540E/WE HIST/LLAS 1570; 3660W; 3674/3220; HIST/WGSS 1203/1121; ILCS 1158, 3258W; INTD 2245; 3584; LLAS 1000; 2011W; 3210 LLAS/POLS 3662/3270 LLAS/SOCI 3525W LLAS/SPAN 1009W LING 1030; 2850 MUSI 1003; 3407W NURS 1175W; 2100W PHIL 1107 POLS 2602W PSYC 2101; 2701 PSYC/WGSS 3102 SLHS 1150W SOCI 1251W; 1501W; 2310; 2501W; 2503W; 2651W; 3601W SOCI/WGSS 3621W URBN 1300W WGSS 1104; 1105; 2217W; 3718W

INTERNATIONAL

AAAS 1001 AAAS/ART/INDS 3375 AAAS/DRAM 2136W; AAAS/ENGL/JAPN 2305 AAAS/HIST 2101; 3820; 3822 AFRA/HIST 3206 AFRA/HIST/LLAS 3619W AH 2330 ANTH 1000W; 1001W; 1006; 1010E; 1500; 2400; 3030; 3401 ANTH/EVST 3340E ANTH/HRTS 3028W; 3153W ARAB 1751 1771; 2751; 3751; 3771 ARIS 1211 ARIS/WGSS 1170W ARTH 1128; 1141; 3630W ARTH/HIST/ARIS 3710W; CAMS/HIST 2020 CHIN 1121; 1122; 3230W; 3250W*; 3270; 3280 CLCS 1101; 1102; 1103W; 2201; 3211 DRAM 1501 DRAM/HEJS/HRTS 2203 EEB 2202 ENGL 1301; 2301W; 3120; 3122W; 3318; 3319; 3320; 3629 FREN 1169; 1171; 1176; 1177; 3211W*; 3218*; 3224* GEOG 1700; 2000, 2200, 2400E; GERM 1169; 1171; 1175; 1920; 3251; 3258; 3261W*; HEJS 2200; 2104 HIST 1200, 1206; 1450; 1800; 1801; 1805; 2020; 2222E; 3705 HIST/HEJS 3362; 3419 HIST/LLAS 1600W/1190W; 3607; 3609; 3635 HRTS 1007; 2100W; 2200; 3200W ILCS 1149; 1160; 1180; 3248W; 3260W LING 1020; 3610W MAST 1300; 2100W MUSI 1004; 3421W NRE 2600E; 3305 NURS 2175 NUSC 1167 PHIL 1106; 1109 POLS 1202; 1207; 1402W; 2023W; 3472W SOCI 1701; 2509W; 3823 SPAN 1007; 1008; 1010; 1020; 1030; 3250 SPSS 1125 WGSS 2105W; 2124; 2255W; 3255W

NOTES: 1) Bold numbers indicate the courses may “double-dip”; that is two courses in CA 1, 2, or 3 can also be used to fulfill a CA 4 requirement. Please note that CA 1 is the only CA where two courses may be used to fulfill CA 4. 2) If a course is offered as both W and non-W, either will fulfill the General Requirements. 3) * =foreign language pre-requisite/taught in foreign language. 4) Courses in CA 1, 2, & 3 must be taken in at least 6 different academic units. 5) Additional courses approved for general education after catalog deadline date can be used to meet requirements. See clasadvising.uconn.edu 6) Students must complete **ALL** content areas and competencies to fulfill the CLAS general education requirement.