

Plan of Study: B.S. in Mathematics–Physics, Catalog Year 2017-2018

This plan, approved and signed, must be filed with the Degree Auditor’s Office no later than the fourth week of classes of the semester in which the student expects to graduate. Changes in the plan may be made only with the consent of your advisors.

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 and regularly graded, not pass/fail. 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 and 3410 and 3510 □
(ii) PHYS 2300 and 2501W and 3101 and 3201 and 3202 and 3300 and 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) and 2210Q and 2410Q (or 2420Q) and 2710 (or 2141Q and 2142Q) and 3146 □
(ii) MATH 2141Q and 2142Q and 2143Q and 2144Q and 3146 □

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

PHYS 2300 and 2501W and 3101 and 3201 and 3202 and 3401 □

Requirement 3. Complete at least 3 additional credits from among: PHYS 2200, 2400, 2502, 3102, 3150, 3300, 3989, 4093, 4095, 4096W, 4098, 4099, 3402, 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, 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: _____ .

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 1010 or 1011 or 2011 or 6 or more credits of ENGL 91002 & 91003 (transferred); 2000+ level W in [each] major: _____ 2nd W any level: _____

QUANTITATIVE COMPETENCY: 3 Q courses, at least one of which is MATH or STAT

(MATH or STAT) _____ Q _____ Q _____ Q _____

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

(courses must be selected from at least 4 different academic units) **BS: 4 courses with at least one from each category A-D.**

A: ARTS

ART/AASI/INDS 3375
AFRA/FINA 1100
AFRA/DRAM 3132 ART 1000
ARTH 1128; 1137; 1138; 1141; 1162
CHIN 3250W*; 3270 CLCS 1002;
1110; 3211 DRAM 1101; 1110;
1811; 2134 FINA/MUSI 1001/1006
FREN 1171 GERM 1171; 3261W*;
3264W ILCS 1149; 3258W; 3260W
MUSI 1001; 1002; 1003; 1004; 1005;
1021; 1022; 1112 SPAN 1010;
1020; 3250 WGSS 1104

B: LITERATURE

CAMS 1101; 1102; 1103 CLCS 1101; 1102
ENGL 1101W; 1103W; 1503; 1616W;
2100; 2101; 2201W; 2203W; 2274W; 2401;
2405; 2407; 2408W; 2409; 2411W;
2413W; 3320; 3629; 3633W
ENGL/HEJS 3220W/3401W FREN 1176;
3230; 3234*; 3261W*; 3262W*;
3270W
GERM 1140W; 3252W*;
3254W*;
3255W*
HEJS 1103; 3201; 3301
ILCS 1101; 1158; 3255W MAST 1200
SPAN 1007; 3232*;
3267W
SPAN/LLAS 1009W

C: HISTORY

AASI/HIST 3531 AFRA/HIST 3206
AFRA/HIST/LLAS 3619 AMST 1700
DMD 2010 ECON 2101W; 2102W
GEOG/URBN 1200
HIST 1100W; 1201; 1206; 1250;
1300; 1400; 1501W; 1502W; 1800;
1805; 2401W; 2402W; 3705
HIST/LLAS 1570; 1600/1190W;
3607; 3609; 3635; 3660W; 3674/3220
HIST/MAST 2210 HIST/SCI 2206
HIST/URBN 3650 HIST/WGSS
1203/1121 MAST 1200

D: PHILOSOPHY & ETHICAL ANALYSIS

GERM 1175
HEJS 2104
HRTS 3200W; 3250W
HRTS/PHIL 2170W;
3220W
LING 1010
PHIL 1101; 1102; 1103;
1104; 1105; 1106;
1107; 1175
POLS 1002

E: WORLD CULTURES

AASI 3201
ANTH 1001W; 3401; 3450W
ARAB 1121; 1122
CLCS 1103W; 2201
FREN 1169; 1176; 1177;
3210*;
3211*;
3218*;
3224*;
3235*;
3267*;
3268W*
GERM 1169; 2400; 3251;
3258 ILCS 1160; 1170
INTD 3260 NURS 2175
SPAN 1008

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

ANTH 1000W; 1006; 1010; 1500; 2000W; 2400 ANTH/AFRA 3152 ARE 1110; 1150; 2235 COMM 1000 ECON 1000; 1107; 1108; 1179; 1200; 1201; 1202 EDCI 2100 ENVE 1000
EVST 1000 EPSY 2810 GEOG 1000; 1700; 2000; 2100; 2320; 2400 HDFS 1060; 1070; 3311W; 3540W HRTS 1007 LLAS 1000 LING 1020; 1030; 2850; 3610W MAST 1300
POLS 1202W; 1207; 1402W; 1602W; 3208W; 3211W; 3237W; 3615W PP 1001 PSYC 1101 or 1103 PUBH 1001 SLHS 1150 SOCI 1001W; 1251W; 1501W; 1701; 3823
URBN 1300W WGSS 1105; 2124; 3253W

CONTENT AREA THREE: SCIENCE & TECHNOLOGY

BA: 2 courses from 2 different academic units, at least one of which must be a lab course

BS: 1 BIOL course and 1 sequence each of CHEM, MATH, & PHYS

BA

LABORATORY COURSES:

BIOL 1102; 1103; 1107; 1108; 1110
CHEM 1122; 1124Q; 1127Q; 1128Q; 1147Q; 1148Q
GEOG 1302 GSCI 1050 (or 1051 lecture & 1052 lab in a later semester)
MARN 1003 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 2202 GEOG 2300; 2410
GEOG/GSCI 1070 GSCI 1010; 1051; 1055 LING 2010Q
MARN 1001; 1002 MATH 1050Q MCB 1405 NRE 1000 NUSC 1165
PHAR 1000; 1001; 1005 PHYS 1020Q; 1030Q
PSYC 1100 SPSS 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

CONTENT AREA FOUR: DIVERSITY & MULTICULTURALISM - 2 courses, at least one of which must be on the list of International courses

USA

AASI 3201 AASI/ENGL 3212 AASI/HIST 3531 AASI/HRTS/SOCI 3221/3571/3221;
AFRA/ANTH 3152 AFRA/DRAM 3131W; 3132 AFRA/ENGL 2214W; 3217W AFRA/FINA
1100 AFRA/SOCI/HRTS 3505 AFRA/POLS 3642 AFRA/PSYC 3106W AMST/ENGL/HIST
1201/1201/1503 ANTH 2000W; 3150W; 3202W; 3902; 3904 ARTH 3050W; 3640W; 3645/
W CLCS/HEJS 2301 COMMLLAS/WGSS 3321/3264/3260 DRAM 3130; 3131W; 3133
EDCI 2100 ENGL 1601W; 2274W; 3210; 3218W ENGL/LLAS 3605/3232 ENGL/WGSS
3609; 3611; 3613 HDFS 2001; 3261 HEJS 1103; 3301 HEJS/ENGL 3401W/3220W; HIST
3204W; 3570 HIST/LLAS 1570; 3660W; 3674/3220 HIST/WGSS 1203/1121 ILCS 1158;
3258W INTD 2245; 3584 LLAS 1000; 2011W; 3210 LING 1030; 2850 MUSI 1002; 1003
NURS 1175W PHIL 1107 POLS/LLAS 3662/3270 PSYC 2101; 2701 PSYC/WGSS 3102
SLHS 1150 SOCI 1251W; 1501W; 2501W; 2503W; 3601W SOCI/WGSS 3621W SPAN/
LLAS 1009W URBN 1300W WGSS 1104; 1105; 3718W

INTERNATIONAL

AFRA/HIST 3206 AFRA/HIST/LLAS 3619 AH 2330
ANTH 1000W; 1001W; 1006; 1010; 1500; 2400; 3030; 3401;
ANTH/HRTS 3028W; 3153W ARAB 1121; 1122 ART/AASI/INDS 3375
ARTH 1128; 1141; 3630W CHIN 1121; 1122; 3230; 3250W*;
3270 CLCS 1101; 1102;
1103W; 2201; 3211 DRAM 1501 ECON 2104W EEB 2202 EEB/NRE 3307/3305
ENGL 1301; 2301W; 3120; 3122; 3318; 3319; 3320; 3629 FREN 1169; 1171; 1176;
1177; 3211*;
3218*;
3224*;
GEOG 1700; 2000; 2400 GERM 1169; 1171; 1175; 3251;
3258; 3261W*;
HEJS 2104 HEJS/HRTS 2203 HIST 1206; 1800; 1805; 3705
HIST/LLAS 1600/1190W; 3607; 3609; 3635 HRTS 3200W HRTS 1007 ILCS 1149;
1160; 3260W LING 1020; 3610W MAST 1300; 2100W MUSI 1004; 3421W NRE
2600; 3305 NURS 2175 NUSC 1167 PHIL 1106 POLS 1202W; 1207; 1402W;
3472W SOCI 1251W; 1701; 2509W; 3823 SPAN 1007; 1008; 1010; 1020; 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. Such courses are shown with a slash (/) before the W. 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) Students must complete ALL content areas and competencies to fulfill the CLAS general education requirement.