

Plan of Study: B.S. in Mathematics–Physics, Catalog Year 2018-2019

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**Student Information.**

Name: \_\_\_\_\_ . Peoplesoft ID: \_\_\_\_\_ .

Permanent Address: \_\_\_\_\_ .

UConn Email: \_\_\_\_\_ . Other Email: \_\_\_\_\_ .

Phone Number: \_\_\_\_\_ . Signature: \_\_\_\_\_ . Date: \_\_\_\_\_ .

Degree Sought : B.S. Anticipated Date of Completion: \_\_\_\_\_ .

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*All courses listed below must be completed for credit and regularly graded, not pass/fail. Check the box next to your chosen track.*

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**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 .....
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**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 .....
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**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 \_\_\_\_\_ .

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

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

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**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 \_\_\_\_\_ .

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**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 \_\_\_\_\_ .

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**W course in the major requirement:** Complete PHYS 2501W .....

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**Approval Signatures.**

Mathematics Advisor: \_\_\_\_\_ . Physics Advisor: \_\_\_\_\_

Department Head or Undergraduate Program Director: \_\_\_\_\_ .

**SECOND LANGUAGE COMPETENCY: Complete one of the following:**

- 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 &/or 91003 (transferred); 20000+ level W in [each] major: \_\_\_\_\_ 2nd W any level: \_\_\_\_\_

**CONTENT AREA ONE: ARTS & HUMANITIES**

(courses must be selected from at least 4 different academic units)

**BA: 5 courses with at least one from each category A-D. 5th course can come from any area A-E**

**BS: 4 courses with at least one from each category A-D**

**A: ARTS:**

AASI/ART/INDS 3375  
 AFRA/DRAM 3132 AFRA/FINA 1100  
 AMST/MUSI 1002 AMST/URBN 2400  
 ART 1000 ARTH 1128; 1137; 1138;  
 1140; 1141; 1162 CHIN 3250W\*; 3270  
 CLCS 1002; 1110; 3211  
 DRAM 1101; 1110; 1501; 1811; 2134  
 DRAM/HEJS/HRTS 2203  
 FINA/MUSI 1001/1006 FREN 1171  
 GERM 1171; 3261W\*; 3264W  
 ILCS 1149; 3258W; 3260W  
 MUSI 1001; 1003; 1004; 1005; 1021;  
 1022; 1112 SPAN 1010; 1020; 1030;  
 3250 WGSS 1104

**B: LITERATURE:**

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; 3320; 3629; 3633W  
 ENGL/AMST 2274W; 2276W  
 ENGL/HEJS 3220W/3401W  
 FREN 1176; 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 3619W  
 AMST 1700 AMST/ENGL/HIST 2207  
 DMD 2010 ECON 2101W; 2102W  
 GEOG/URBN 1200  
 HIST 1100W; 1201; 1206; 1250;  
 1300; 1400; 1501W; 1502W; 1800;  
 1805; 2020; 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  
 LAND 2210  
 LING 1010  
 NRE 1235  
 PHIL 1101; 1102; 1103;  
 1104; 1105; 1106;  
 1107; 1165W; 1175;  
 2410  
 POLS 1002

**E: WORLD CULTURES:**

AASI/AMST 3201  
 ANTH 1001W; 3401; 3450W  
 ARAB 1121; 1122  
 CHIN 1121; 1122  
 CLCS 1103W; 2201  
 CLCS/HEJS 2301  
 FREN 1169; 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 EPSY 1450W; 2810 EVST 1000 GEOG 1000; 1700; 2000; 2100; 2320; 2400 HDFS 1060; 1070; 3311W; 3540W HRTS 1007 LING 1020; 1030; 2850; 3610W  
 LLAS 1000 LLAS/SOCI 3252W MAST 1300 POLS 1202; 1207; 1402W; 1602W; 3208W; 3211W; 3237W; 3615W PP 1001 PSYC 1101/1103 PUBH 1001 SLHS 1150  
 SOCI 1001W; 1251W; 1501W; 1701; 3823 URBN 1300W WGSS 1105; 2124; 3253W

**CONTENT AREA THREE: SCIENCE & TECHNOLOGY**

**Bachelor of Arts (BA): 2 courses from 2 different academic units, at least one of which must be a lab course**

**LABORATORY COURSES:**

BIOL 1102; 1103; 1107; 1108; 1110  
 CHEM 1122; 1124Q; 1127Q; 1128Q; 1147Q; 1148Q GEOG 1302  
 GSCI 1050 (or GSCI 1052 with one of: GSCI 1010/1051/1055/1070)  
 MARN 1003 MCB 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 2202  
 GEOG 2300; 2410 GEOG/GSCI 1070 GSCI 1010; 1051; 1055  
 LING 2010Q MARN/MAST 1001 MARN 1002 MCB 1405  
 NRE 1000 NUSC 1165 PHAR 1000; 1001; 1005  
 PHYS 1020Q; 1030Q PSYC 1100 SPSS 1150; 2120

**Bachelor of Science (BS) - Standard**

1 Biology course and 1 sequence each of Chemistry, Math and Physics

**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

**Bachelor of Science (BS) - Economics**

1 sequence of Biology, Chemistry, or Physics; plus one other Content Area 3 course

**BIOLOGY** 1107 & 1108 or 1110  
**CHEMISTRY** 1124Q & 1125Q & 1126Q  
 or 1127Q & 1128Q  
 or 1147Q & 1148Q  
**PHYSICS** 1201Q & 1202Q  
 1401Q & 1402Q  
 1501Q & 1502Q  
 1601Q & 1602Q

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

**USA:**

AASI/AMST 3201 AASI/ENGL 3212 AASI/HIST 3531 AASI/SOCI 3221 AFRA/ANTH 3152  
 AFRA/ARTH 3050W AFRA/DRAM 3131; 3132 AFRA/ENGL 2214W; 3213W; 3215W; 3217W  
 AFRA/FINA 1100 AFRA/HRTS/SOCI 3505 AFRA/POLS 3642 AFRA/PSYC 3106  
 AMST/ENGL/HIST 1201/1201/1503; 2207 AMST/MUSI 1002  
 ANTH 2000W; 3150W; 3202W; 3902; 3904 ARTH 3640W; 3645W CLCS/HEJS 2301  
 COMM/LLAS/WGSS 3321/3264/3260 DRAM 3130; 3133 EDCI 2100 EDLR 2001  
 ENGL 1601W; 3210; 3218W ENGL/AMST 2274W ENGL/LLAS 3605/3232  
 ENGL/HEJS 3220W/3401W ENGL/WGSS 3609; 3611; 3613 HDFS 2001; 3261  
 HEJS 1103; 3301 HIST 3204W; 3570 HIST/LLAS 1570; 3660W; 3674/3220  
 HIST/WGSS 1203/1121 ILCS 1158; 3258W INTD 2245; 3584 LING 1030; 2850  
 LLAS 1000; 2011W; 3210 LLAS/SOCI 3252W MUSI 1003 NURS 1175W PHIL 1107  
 POLS/LLAS 3662/3270 PSYC 2101; 2701 PSYC/WGSS 3102 SLHS 1150  
 SOCI 1251W; 1501W; 2501W; 2503W; 2651W; 3601W SOCI/WGSS 3621W  
 SPAN/LLAS 1009W URBN 1300W WGSS 1104; 1105; 3718W

**INTERNATIONAL:**

AFRA/HIST 3206 AFRA/HIST/LLAS 3619W 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 DRAM/HEJS/HRTS 2203  
 EEB 2202 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  
 HIST 1206; 1800; 1805; 2020; 3705 HIST/LLAS 1600/1190W; 3607; 3609; 3635  
 HRTS 1007; 3200W ILCS 1149; 1160; 3260W LING 1020; 3610W  
 MAST 1300; 2100W MUSI 1004; 3421W NRE 2600; 3305 NURS 2175  
 NUSC 1167 PHIL 1106 POLS 1202; 1207; 1402W; 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"; (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. 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.