PENN STATE UNIVERSITY | EBERLY COLLEGE OF SCIENCE
PROGRAM YEAR: 2018

B.S. in SCIENCE
LEGAL STUDIES, GOVERNMENT SERVICE, AND PUBLIC POLICY OPTION

MAJOR REQUIREMENTS

PRESCRIBED COURSES, 20 credits
☐ BIOL 110*, 4 credits  C or better required
☐ CHEM 110*, 3 credits  C or better required
☐ CHEM 111, 1 credit
☐ CHEM 112, 3 credits
☐ CHEM 113, 1 credit
☐ MATH 140*, 4 credits  C or better required
☐ MATH 141, 4 credits

OPTION REQUIREMENTS

ADDITIONAL COURSES, 15-20 credits

Biology, 4 credits:
Select one of the following lecture/lab combinations:
☐ BIOL 129, 4 cr.  ☐ BIOL 220W, 4 cr.
☐ BIOL 141 and 142, 4 cr.  ☐ BIOL 230W, 4 cr.
☐ BIOL 230W, 4 cr.

Statistics, 3-4 credits:
Select one of the following courses:
☐ STAT 200, 4 cr.  ☐ STAT 301, 3 cr.
☐ STAT 250, 3 cr.  ☐ STAT 401, 3 cr.

Physics, 8-12 credits:
Complete one of the following sequences in its entirety:
☐ PHYS 211*, 4 cr.  ☐ PHYS 250*, 4 cr.  C or better required
☐ PHYS 212, 4 cr.  ☐ PHYS 251, 4 cr.
☐ PHYS 213, 2 cr.
☐ PHYS 214, 2 cr.

Entrance-to-Major (ETM) course: Prior to entering the Science major, students must have third-semester standing (29.1 credits or more) and earn a C or better in all ETM courses: MATH 140, and at least two of BIOL 110, CHEM 110, and PHYS 211 or 250.

SUPPORTING COURSES, 54-59 credits

Global, Social, and Personal Awareness, 3 credits:
Select one course from Department List.
☐ __________________________

Teamwork and Interpersonal Communication, 3 credits:
Select one course from Department List.
☐ __________________________

400-level Legal Studies/Government Service/Public Policy, 6 credits:
Select 6 credits of 4xx courses from Department List.
☐ __________________________

Any-level Legal Studies/Government Service/Public Policy, 12 credits:
Select 12 credits of courses from Department List.
☐ __________________________  ☐ __________________________

400-level Life, Mathematical, or Physical Sciences, 9 credits:
Select 9 credits of 4xx courses from the following Departments:
Life: BMB, BIOL, MICRB; Mathematical: CMPSC, MATH, STAT;
Physical: ASTRO, CHEM, and PHYS. (See Program List Exclusions.)
C or better required
☐ __________________________  ☐ __________________________

Any-level Life, Mathematical, or Physical Sciences, 9 credits:
Select 9 credits of courses from the following Departments:
Life: BMB, BIOL, MICRB; Mathematical: CMPSC, MATH, STAT;
Physical: ASTRO, CHEM, and PHYS. (See Program List Exclusions.)
☐ __________________________  ☐ __________________________

Electives (Program List): Select 12-17 credits in consultation with an adviser. (See Program List Exclusions.)
Must complete 124 total eligible credits for the degree.
☐ PSU 16, 1 cr.  ☐ __________________________
☐ __________________________  ☐ __________________________
☐ __________________________  ☐ __________________________

124 total eligible credits required

Student Name: ________________________
Student ID: ___________________________
GENERAL EDUCATION REQUIREMENTS

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<tr>
<th>KNOWLEDGE DOMAINS</th>
<th>FOUNDATIONS</th>
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| Natural Sciences (GN), 9 credits       | Writing & Speaking (GWS), 9 credits  
| □ BIOL 110, 4 credits                  | \textit{C or better required}    |
| □ CHEM 110 & 111, 4 credits            | □ ENGL 15\textsuperscript{+} or ENGL 30 or ESL 15, 3 credits |
| □ CHEM 112 & 113, 4 credits            | □ CAS 100\textsuperscript{+}, 3 credits |
| Arts (GA), 6 credits \textsuperscript{a} | □ ENGL 202 A, B, C, or D, 3 credits (Option A or C preferred) |
| (3 credits must NOT be inter-domain*)  | \textit{Option A or C preferred}  |
| □                                              | □ ENGL 15 and CAS 100 are replaced with ENGL/CAS 137 and ENGL/CAS 138 |
| Humanities (GH), 6 credits \textsuperscript{a} |          |
| (3 credits must NOT be inter-domain*)     |          |
| □                                              | □ ENGL 15 or ENGL 30 or ESL 15, 3 credits |
| □                                              | □ MATH 140, 4 credits |
| Social and Behavioral Sciences (GS), 6 credits \textsuperscript{a} | \textit{ECoS Req.: must be MATH 141, STAT 2xx, CMPSC 101, or higher.} |
| (3 credits must NOT be inter-domain*)      |          |
| □                                              | □ ENGL 15 or ENGL 30 or ESL 15, 3 credits |
| □                                              | □ MATH 140, 4 credits |
| Health and Wellness (GHW), 3 credits \textsuperscript{a} |          |
| (3 credits must NOT be inter-domain*)      |          |
| □                                              | □ ENGL 15 or ENGL 30 or ESL 15, 3 credits |
| □                                              | □ MATH 140, 4 credits |
| Additional Knowledge Domain Courses, 0-6 credits* | Writing Across the Curriculum (WAC), 3 credits |
| □                                              | □ BIOL 110, 1 credit |
| □                                              | □ BIOL 110, 1 credit |
| □                                              | □ BIOL 110, 1 credit |
| □                                              | □ BIOL 110, 1 credit |
| □                                              | □ BIOL 110, 1 credit |

*Inter-domain courses* span across two different Knowledge Domains. One inter-domain course may count as 3 credits toward each Domain, but 30 distinct credits of Knowledge Domain courses (GN/GA/GH/GS/GHW) are required in total.

*Move-3 Substitution:* A student may choose to shift 3 credits of courses from the GN, GA, GH, or GS categories to either GN, GA, GH, GS, or GHW categories at the approval of an Academic Adviser.
B.S. in Science, Legal Studies, Government Services, & Public Policy Option

List 1 Teamwork and Interpersonal Communications*
CAS 203 (GS) Interpersonal Communication (3)
CAS 252 Business and Professional Communication (3)
CAS 253 Health Communication (3)
CAS 271 (US;IL) Intercultural Communication (3)
CAS 404 Conflict Resolution and Negotiation (3)
HD FS 216 Personal & Interpersonal Skills (3)
PSYCH 140 Management of Interpersonal Relationships (3)
PSYCH 221 (GS) Social Psychology (3)
PSYCH 232 (GS;US;IL) Cross-Cultural Psychology (3)
SOC 003 (GS) Intro to Social Psychology (3)
SOC 404 Social Influence and Small Groups (3)

List 2 Global, Social and Personal Awareness*
AAA S 103 (US) (SOC 103, WMNST 103) Racism and Sexism (3)
AAA S 302 (US) (BB H 302) Diversity and Health (3)
ANTH 045 (GS;US;IL) Cultural Anthropology (3)
HD FS 129 (GS) Introduction to Human Development and Family Studies (3)
HD FS 229 (GS) Infant and Child Development (3)
HD FS 239 (GS) Adolescent Development (3)
HD FS 249 (GS) Adult Development and Aging (3)
HD FS 315 (US) Family Development (3)
PSYCH 212 (GS) Introduction to Developmental Psychology (3)
PSYCH 231 (GS;US) Introduction to the Psychology of Gender (3)
PSYCH 232 (GS;US;IL) Cross-Cultural Psychology (3)
PSYCH 260 (BB H 203) Neurological Basis of Human Behavior (3)
PSYCH 270 Introduction to Abnormal Psychology (3)
PSYCH 370 (US) Psychology of the Differently-Abled (3)
RL ST 001 (GH;US;IL) Introduction to World Religions (3)
SOC 001 (GS) Introductory Sociology (3)
SOC 005 (GS) Social Problems (3)
SOC 119 (GS;US) Race and Ethnic Relations (4)

List 3 Legal Studies, Government Services, & Public Policy*

A1. Legal Studies
AG 301 W Introduction to Agricultural Law (3)
COMM 403 Law of Mass Communication (3)
COMM 492 Internet Law and Policy (3)
CRIM 412 (CRIMJ 412; SOC 412) Crime, Social Control, and the Legal System (3)
CRIM 113 (CRIMJ 113) (GS) Introduction to Law (3)
L ST 370 Research Methods for Law and Government Information Resources (3)
L ST 460 Introduction to Library Resources in the Biomedical Sciences (1)
PL SC 471 American Constitutional Law (3)
PL SC 472 The American Legal Process (3)
PL SC 474 Civil Liberties and Due Process (3)
SOC 012 (CRIMJ 012, CRIM 012) (GS) Criminology (3)
SOC 467 (CRIMJ 467, CRIM 467) Law and Society (3)
WMNST 453 (CRIMJ 453, CRIM 453) (US) Women and Justice (3)

A2. Government Services
AAA S 465 (HIST 465) (US) Civil Rights & American Politics 1933-1968 (3)
B LAW 243 Legal Environment of Business (3)
CRIM 100 (CRIMJ 100) (GS) Introduction to Criminal Justice (3)
CRIM 432 (CRIMJ 432) Crime and the American Court System (3)
E R M 411 Legal Aspects of Resource Management (3)
GEOG 130 (GS) Environment, Power and Justice (3)
PL SC 001 (GS) Introduction to American National Government (3)
PL SC 110 (GS; US) Rights in America (3)
PL SC 123 (GS; US; IL) Ethnic and Racial Politics (3)
PL SC 419 The Bureaucratic State (3)

A3. Public Policy
COMM 413 The Mass Media and the Public (3)
ENNEC 483 Materials Policy and Markets (3)
PL SC 002 American Public Policy (3)
PL SC 403 The Legislative Process (3)
PL SC 426 Political Parties and Interest Groups (3)

B. Ethics/Philosophy
PHIL 009 (GH;US) Philosophy, Race & Diversity (3)
PHIL 010 (GH) Critical Thinking (3)
PHIL 011 (GH) Philosophy, Science & Truth (3)
PHIL 012 (GQ) Symbolic Logic (3)
PHIL 013 (GH) Philosophy, Nature & the Env. (3)
PHIL 108 (GH) Introduction to Social & Political Philosophy (3)
PHIL 132 (GH) (RL ST 131) Introduction to Bioethics (3)
PHIL 403 Environmental Ethics (3)
PHIL 405 Philosophy of Law (3)
S T S 245 (GS;IL) Globalization, Technology, and Ethics (3)
S T S 433 (PHIL 433) Ethics in Science and Engineering (3)

C. Professional Development
CAS 213 Persuasive Speaking (3)
CAS 215 Argumentation (3)
CAS 321 Rhetoric and Law (3)
CAS 404 Conflict Resolution & Negotiation (3)
ENGL 416 Science Writing (3)
ENGL 417 The Editorial Process (3)
ENGL 418 Advanced Technical Writing &Editing (3)
LER 100 (GS) Employment Relations (3)
LER 437 Workplace Dispute Resolution (3)
PSYCH 100 (GS) Introductory Psychology (3)

D. Current Issues
AAA S 103 (SOC 103, WMNST 103) (US) Racism & Sexism (3)
BB H 143 (GHA) Drugs, Behavior, and Health (3)
BIOL 461 Contemporary Issues in Science & Medicine (3)
EGEE 102 (GN) Energy Conservation for Environmental Protection (3)
ENNEC 100 (GS) Introduction to Energy & Earth Sciences Economics (3)
ENNEC 420 Economics of Natural Hazards (3)
ENNEC 483 Materials Policy and Markets (3)
E R M 151 Careers and Issues in Environmental Resource Management (1)
SOC 005 (GS) Social Problems (3)
SOC 047 (S T S 047) Wilderness, Technology and Society (3)
SOC 406 (CRIMJ 406, CRIM 406) Society of Deviance (3)
S T S 135 (PL SC 135) (GS) The Politics of the Ecological Crisis (3)
S T S 200 (GS) Critical Issues in Science, Technology & Society (3)
W F S 209 (GN) Wildlife and Fisheries Conservation (3)
W F S 430 (FOR 430) Conservation Biology (3)

*Please note pre-requisites and co-requisites when selecting course options for your program.*
Program List Exclusions:
Coursework Not Applicable to Degree Requirements

Students may select supporting courses from nearly the entire range of the University’s course offerings. However, the following courses may **NOT** be used to satisfy degree requirements in the Science and Premedicine majors. This list applies to ALL options in the Science BS major.

BIOL 001, 003, 011*, 012*
BI SC 001, 002, 003*, 004*
B M B 001*
CAS 126
CHEM 001, 003, 005, 101, 108
CMPSC 100
ENGL 004, 005
ESL 004, 005
LL ED 005, 010
MATH 003, 004, 010, 017, 018, 021, 022, 026, 030, 033, 034, 035, 036, 040, 041, 081, 082, 083, 097, 110, 111, 200
PHYS 001, 010, 097, 114, 150, 151
STAT 100

*On rare occasions, with adequate justification, a student may be permitted to use one or more of these courses to satisfy degree requirements. A petition must be submitted to request such an exception. Consult with your academic adviser.

In addition, the following types of courses may not be used to satisfy degree requirements in the Science or Premedicine majors:

- Courses which are remedial in nature or which focus on reading improvement or study skills.
- Courses which substantially duplicate the subject matter covered in other completed courses taught at a comparable level.

Some courses may be counted toward degree requirements in the Science and Premedicine majors with some restrictions:

- No more than 4 credits of MATH 140A may be used.
- No more than 6 credits of ROTC courses (AIR, ARMY, NAVSC) may be used.
- No more than 12 credits of independent study (296, 496, etc.) may be used. **Unless special permission is granted, Independent Study credit may only be used in “Supporting Courses” and “Any 400-level Course Work” categories.
- No more than 5 credits of KINES Physical Activity courses may be used. **KINES Health Courses (KINES 180, etc.) are not limited to 5 credits.