For the B.S. degree in Science, a minimum of 124 credits is required, with at least 15 credits at the 400-level. Students must complete the requirements listed in the core curriculum and one of the options. Within the 124 credits, students must also satisfy the University’s ( ) International Cultures, ( ) U.S. Cultures, and ( ) Writing Across the Curriculum requirements. In order to graduate, students must complete all of the course requirements, with at least a 2.00 cumulative grade point average, earn a C or better in BIOL 110, CHEM 110, MATH 140, PHYS 211 or 250, and 9 credits of 400-level life, mathematical or physical sciences, earn 36 of the last 60 credits required for the degree in courses offered by the University, and earn the last 60 credits within a total elapsed time of five calendar years.

### CORE CURRICULUM (72-77 cr)

**WRITING/SPEAKING (9 cr)**
- ENGL 15 or 30 (GWS) 3
- ENGL 202A, B, C, or D (GWS) 3
- CAS 100 A, B or C (GWS) 3

**HEALTH AND PHYSICAL ACTIVITY* (3 cr)**
- (GHA) 3

**ARTS (6cr)**
- (GA) 3
- (GA) 3

**HUMANITIES (6 cr)**
- (GH) 3
- (GH) 3

**SOCIAL AND BEHAVIORAL SCIENCES (6 cr)**
- (GS) 3
- (GS) 3

**FIRST YEAR SEMINAR (1 cr)**
- 1

### QUANTIFICATION (11-12 cr)

- MATH 140 (GQ) 4
- MATH 141 (GQ) 4
- STAT 200 (GQ) or 250 (GQ) or 301, or 401 3 – 4

### CHEMISTRY (8 cr)

- CHEM 110 (GN) 3
- CHEM 112 (GN) 3
- CHEM 111 (GN) 1
- CHEM 113 (GN) 1

### LIFE SCIENCES (8 cr)

- BIOL 110 (GN) 4
- BIOL 129 or BIOL 141/142 4

### PHYSICS (8 – 12 cr)

- PHYS 211 (GN) or PHYS 250 (GN) 4
- PHYS 212 (GN) or PHYS 251 (GN) 4
- PHYS 213/214 (GN) 2+2

### **GLOBAL, SOCIAL and PERSONAL AWARENESS (3 cr)** See List 2

**TEAMWORK and INTERPERSONAL COMMUNICATIONS (3 cr)** See List 1

**LEGAL STUDIES, GOVERNMENT SERVICE, PUBLIC POLICY (47 - 52 cr)**

**LIFE, MATHEMATICAL, or PHYSICAL SCIENCES (18 cr) 9 credits must be at the 400-level**

**LEGAL STUDIES, GOVERNMENT SERVICE, PUBLIC POLICY Courses (18 cr) See List 3**

6 credits must be at the 400-level

**Supporting Courses (11 - 16 cr)**

Experiential learning is strongly encouraged during your undergraduate program. Opportunities include job shadowing, externships, internships, co-ops, research and education abroad. Credits may count toward supporting courses. See your adviser and the Web sites below for more details.

http://cie.science.psu.edu/   http://www.undergradresearch.psu.edu/   http://www.sa.psu.edu/career/   http://clubs.psu.edu/
B.S. in Science, Legal Studies, Government Services, & Public Policy Option

List 1 TEAMWORK and INTERPERSONAL COMMUNICATIONS*
CAS 203 (GS) Interpersonal Communication (3)  HD FS 216 Personal & Interpersonal Skills (3)
CAS 206 (GH) Medication and Communication (3)  PSYC 140 Management of Interpersonal
Relationships (3)  CAS 211 Informative Speaking (3)  PSYCH 221 (GS) Social
Psychology (3)  CAS 212 Professional Public Speaking (3)  PSYCH 232 (GS;US;IL) Cross-Cultural
Psychology (3)  CAS 252 Business and Professional Communication (3)  SOC 003 (GS) Intro to Social Psychology (3)
CAS 253 Health Communication (3)  SOC 404 Social Influence and Small Groups (3)
CAS 271 (US;IL) Intercultural Communication (3)
CAS 404 Conflict Resolution and Negotiation (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 Development Psychology (3)
PSYCH 231 (GS;US) Introduction to the Psychology of Gender (3)
PSYCH 232 (GS;US;IL) Cross-Cultural Psychology (3)
PSYCH 260 Neurological Basis of Human Behavior (3)
PSYCH 270 Introduction to Abnormal Psychology (3)
PSYCH 370 (US) Psychology of the Differently-Abled
RL ST 001 (GH;US;IL) Introduction to World Religions (3)
SOC 001 (GS) Introduction 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 COURSES*
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 453) 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 432 (CRIMJ 432) Crime and the American Court System (3)
CRIM 100 (GS) (CRIMJ 100) Introduction to Criminal Justice (3)
ERM 411 Legal Aspects of Resource Management (3)
GEOG 130 (GS) Environment, Power and Justice (3)
PL SC 001 (GS) Introduction to American Nat'l Gov't (3)
PL SC 110 (GS; US) Rights in America (3)
PL SC 123 (GS;US;IL) Ethnic and Racial Politics (3)
A3. Public Policy

ENNEC 483 Materials Policy and Markets (3)
PL SC 002 American Public Policy (3)
PL SC 403 The Legislative Process (3)
PL SC 460 (S T S 460) Science, Technology and Public Policy (3)
PL SC 490 Policy Making and Evaluation (3)
PL SC 403 The Legislative Process (3)
PL SC 426 Political Parties and Interest Groups (3)
PL SC 427 Political Opinion (3)
PL SC 473 American Judicial Behavior (3)
PL SC 490 Policy Making and Evaluation (3)
COMM 413 The Mass Media and the Public (3)

B. Ethics/Philosophy

PHIL 009 (GH;US) Philosophy, Race, and Diversity (3)
PHIL 010 (GH) Critical Thinking (3)
PHIL 011 (GH) Philosophy, Science, and Truth (3)
PHIL 012 (GQ) Symbolic Logic (3)
PHIL 013 (GH) Philosophy, Nature, and the Environment (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 and 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)
ERM 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) Sociology of Deviance (3)
S T S 135 (GS) (PL;SC135) 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.