Bachelor of Science in Security and Risk Analysis

The Bachelor of Science in Security and Risk Analysis (SRA) is intended to familiarize students with the general frameworks and multidisciplinary theories that define the area of security and related risk analyses. Courses in the major will engage students in the challenges and problems associated with assuring information confidentiality and integrity (e.g., social, economic, technology-related, and policy issues), as well as the strengths and weaknesses of various methods for assessing and mitigating associated risk.

Contact

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**Curriculum**

Information and Cyber Security Option

The Information and Cyber Security option is available to SRA majors at Penn State Harrisburg. This option includes a set of courses that provides an understanding of the theories, skills, and technologies associated with network security, cyber threat defense, information warfare, and critical infrastructure protection across multiple venues.

For the B.S. degree in Security and Risk Analysis, a minimum of 120 credits is required.

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**Courses**

For the B.S. degree in Security and Risk Analysis, a minimum of 120 credits is required.

Scheduling Recommendation by Semester Standing given like (Sem: 1-2)

**GENERAL EDUCATION:** 45 credits
(22 credits are included in the REQUIREMENTS FOR THE MAJOR)
(See description of General Education in front of the Bulletin.)

**FIRST-YEAR SEMINAR:**
(Included in ELECTIVES or GENERAL EDUCATION course selection)

**UNITED STATES CULTURES AND INTERNATIONAL CULTURES:**
(Included in REQUIREMENTS FOR THE MAJOR)

**WRITING ACROSS THE CURRICULUM:**
(Included in REQUIREMENTS FOR THE MAJOR)

**ELECTIVES:** 3 credits

**REQUIREMENTS FOR THE MAJOR:** 94 credits
(This includes 22 credits of General Education courses: 6 credits of GQ courses; 6 credits of GS courses; 3 credits of GWS courses, 3 credits of GH, and 4 credits of GN courses)

**COMMON REQUIREMENTS FOR THE MAJOR (ALL OPTIONS):** 73 credits

**PRESCRIBED COURSES** (39 credits)

CMPSC 101 GQ(3)[1], SRA 111 GS(3)[1]/(Sem: 1-2)
IST 110 GS(3)[1]/(Sem: 1-3)
IST 210(4)/[1]/(Sem: 1-4)
SRA 211(3)[1], SRA 221(3)[1], SRA 231(3)[1]/(Sem: 2-4)
STAT 200 GQ(4) (Sem: 3-6)
IST 495(1)[1]/(Sem: 3-8)
IST 432(3)/[1], SRA 311(3)/[1], STAT 460(3) (Sem: 5-6)
IST 440W(3)/[1]/(Sem: 7-8)

Visit [https://goo.gl/RfhAQD](https://goo.gl/RfhAQD) for complete details.

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**Undergraduate Admissions Requirements**

Minimum high school course requirements for admission to baccalaureate (four-year) degree programs are listed below. Keep in mind that specific programs may have additional requirements or recommendations.

**English**

Four units, including one unit each in composition and literature, are required.

**Social Studies/Art/Humanities**

Three units in any combination of social studies, arts, and humanities are required.

**World Language**

Two units in a single world language other than English are required. However, a student may be admitted with fewer than two units in a world language other than English, but must correct this deficiency by the time s/he earns 60 credits or graduates from Penn State, whichever comes first. This deficiency may be corrected by passing one three- or four-credit college level world language course or by demonstrating proficiency equivalent to two units of high school world language study.

Either a third unit in the same language or an additional unit in a second world language other than English is recommended.

**Science**

Three units of science are required

Preparation in chemistry and physics is recommended but not required for our Science and Engineering/Engineering Technology programs

**Math**

Three units of mathematics are required (four are recommended), selected from any combination of algebra, geometry, and trigonometry

Some programs have additional mathematics requirements. Our Business, Engineering/Engineering Technology, and Science programs require one-half unit of trigonometry or higher level math within the required three units

Penn State requires proof of graduation or a GED for admission to four-year degree programs.

*In most high school curricula, one unit = one year.

Visit Undergraduate Admissions; Admissions Requirements for more information ([http://goo.gl/eVGAMB](http://goo.gl/eVGAMB))