

**Catalog Year 2018-2019**

AAS, Cyber Physical Security

A Major Academic Plan (MAP) is one way to complete a degree in a set number of semesters. The *example* below is an efficient strategy only. **Actual plans for individual students will vary based on advisor recommendations and academic needs.** Official Program Requirements including Major, General Education, Elective, and university requirements (see pg.2) are based on Catalog Year.

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| **Course Subject and Title** | **Cr.** | **Min.**  **Grade** | **\*GE,**  **UU or UM** | **\*\*Sem. Offered** | **Prerequisite** | **Co Requisite** |
| Semester One | | | | | | |
| ESET 0181: Information Technology Fundamentals | 3 | C- |  | F | Prior AAS ESTEC Degree or Instructor Permission |  |
| ESET 0282A: Introduction to Network Security I | 1 | C- |  | F | Prior AAS ESTEC Degree or Instructor Permission |  |
| ESET 0282B: Introduction to Network Security II | 2 | C- |  | F | Prior AAS ESTEC Degree or Instructor Permission | ESET 0282A |
| ESET 0283: Information System Security Design | 3 | C- |  | F | Prior AAS ESTEC Degree or Instructor Permission |  |
| ESET 0284: Risk Management for Critical Data Systems | 3 | C- |  | F | Prior AAS ESTEC Degree or Instructor Permission |  |
| Total | **12** |  |  |  |  |  |
| Semester Two | | | | | | |
| ESET 0281: Defending Critical Infrastructure and Cyber-Physical Sys | 3 | C- |  | S | ESET 0282A, 0202B, 0283, 0284 |  |
| ESET 0286: Critical Network Security | 3 | C- |  | S | ESET 0282 or 0282A and 0202B |  |
| ESET 0287: Professional Certification | 3 | C- |  | S | ESET 0282, 0283 | ESET 0281 |
| ESET 0289: Cyber Physical Systems Security Capstone OR  ESET 0297: Internship | 3 | C- |  | S | Instructor Permission |  |
| Total | **12** |  |  |  |  |  |
| Semester Three | | | | | | |
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| Total |  |  |  |  |  |  |
| Semester Four | | | | | | |
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| Total |  |  |  |  |  |  |
| \*GE=General Education Objective, UU=Upper Division University, UM= Upper Division Major  \*\*See Course Schedule section of Course Policies page in the e-catalog (or input F, S, Su, etc.) | | | | | | |

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| **2018-2019 Major Requirements** | **CR** | **GENERAL EDUCATION OBJECTIVES**  **\*Objectives met by prior AAS degree** | | | | | | **0 cr. min** |
| **Cyber Physical Security, AAS MAJOR REQUIREMENTS** | **24-27** | 1. Written English (6 cr. min) ENGL 1101 | | | | | |  |
| ESET 0181: Information Technology Fundamentals | 3 | ENGL 1102 | | | | | |  |
| ESET 0281: Defending Critical Infrastructure-Cyber Systems | 3 | 2. Spoken English (3 cr. min) COMM 1101 | | | | | |  |
| ESET 0282A: Introduction to Network Security I | 1 | 3. Mathematics (3 cr. min) | | | | | |  |
| ESET 0282B: Introduction to Network Security II | 2 | 4. Humanities, Fine Arts, Foreign Lang. **(2 courses; 2 categories; 6 cr. min)** | | | | | | |
| ESET 0283: Information System Security Design | 3 |  | | | | | |  |
| ESET 0284: Risk Management for Critical Data Systems | 3 |  | | | | | |  |
| ESET 0286: Critical Network Security | 3 | 5. Natural Sciences **(2 lectures-different course prefixes, 1 lab; 7 cr. min)** | | | | | | |
| ESET 0287: Professional Certification | 3 |  | | | | | |  |
| ESET 0289: Cyber Physical Systems Security Capstone OR  ESET 0297: Internship (\*May be repeated once) | 3 |  | | | | | |  |
|  |  | 6. Behavioral and Social Science **(2 courses-different prefixes; 6 cr. min)** | | | | | | |
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|  |  | One Course from EITHER Objective 7 OR 8 **(1course; 3 cr. min)** | | | | | | |
|  |  | 7. Critical Thinking | | | | | |  |
|  |  | 8. Information Literacy | | | | | |
|  |  | 9. Cultural Diversity **(1 course; 3 cr. min)** | | | | | | |
|  |  |  | | | | | |  |
|  |  | General Education Elective to reach 36 cr. min. **(if necessary)** | | | | | | |
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|  |  | **Total GE** | | | | | |  |
|  |  | Undergraduate Catalog and GE Objectives by [Catalog Year](https://www.isu.edu/advising/academic-support/general-education/) | | | | | | |
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|  |  | **MAP Credit Summary** | | | | | **CR** | |
|  |  | Major | | | | | 24-27 | |
|  |  | General Education | | | | | 0 | |
|  |  | Free Electives to reach 120 credits | | | | | 0 | |
|  |  | TOTAL | | | | | 24-27 | |
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|  |  | **Graduation Requirement Minimum Credit Checklist** | | | **Confirmed** | | | |
|  |  | Minimum 0 cr. General Education Objectives | | |  | | | |
|  |  | Minimum 18 cr. for Second AAS | | |  |  | | |
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| **Advising Notes** | | ***MAP Completion Status (for internal use only)*** | | | | | | |
| Cyber-Physical Security is a second AAS degree available to students | |  | *Date* | | | | | |
| who have received an AAS degree related to ESTEC. | | *Department:* |  | | | | | |
| Prospective students: see an Advisor and contact the Instructor | | *CAA or COT:* | TIM 07/25/2018 | | | | | |
| prior to enrolling. | | *Registrar:* |  | | | | | |
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| Accepted students not seeking a second AAS degree will receive a | |
| Certificate in Cyber Physical System Security. | |
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Form Revised 1.24.2018