

# SEAT PROGRAM STRUCTURE

**(Scroll down to find specific plans for both Technician Track and Administration Track)**

A. Total credits required for graduation: 60

B. Residency requirements (if any): The last 20 credit hours preceding graduation with an associate's degree must be completed at Pellissippi State. For an active-duty service member, 25 percent of the required credit hours must be completed at Pellissippi State. In addition, at least 12 hours of course work in the major preceding graduation with an Associate of Applied Science degree must be completed at Pellissippi State.

C. General Education: 15 total credits

Courses and credits:

Rubric/Number	Course Title	Credit Hours
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**General Education**

ENGL 1010	English Composition I	3
1HUM/FINEARTS	Humanities/Fine Arts Elective	3
2MATH/NS	Mathematics Elective	3-5
3 SBS	Social/Behavioral Sciences Elective	3-4
4 GEN ED elective		3-5
15		
1	Humanities/Fine Arts elective to be chosen from:	
ART 1720	Western Art I	3
ART 1730	Western Art II	3
HUM 2500	Exploring Art and Music	3
HUM 2810	Introduction to Film Studies	3
MUS 1030	Music Appreciation	3
MUS 1040	Music in World Cultures	3
PHIL 1030	Introduction to Philosophy	3
PHIL 2010	Survey of World Religions	3
PHIL 2400	Introduction to Ethics	3
THEA 1030	Introduction to Theatre	3
2	Mathematics/Natural Sciences elective to be chosen from:	
MATH 1010	Survey of Mathematics	3
MATH 1130	College Algebra	3
MATH 1410	The Structure of the Number System	3
MATH 1420	Geometry/Statistics	3
MATH 1530	Elementary Probability & Statistics	3
MATH 1630	Finite Mathematics	3
MATH 1710	Precalculus Algebra	3
MATH 1720	Precalculus Trigonometry	3

MATH 1730	Precalculus	5	
MATH 1830	Basic Calculus and Modeling	4	
MATH 1910	Calculus I	4	
BIOL 1110	General Biology I	4	
BIOL 1120	General Biology II	4	
BIOL 1310	Concepts of Biology	3	
BIOL 2010	Human Anatomy and Physiology I	4	
BIOL 2020	Human Anatomy and Physiology II	4	4
BOT 1010	Fundamentals of Botany I	4	
BOT 1020	Fundamentals of Botany II	4	
CHEM 1010	Principles of Chemistry	4	
CHEM 1020	Basic Organic and Biochemistry	4	
CHEM 1110	General Chemistry I	4	
CHEM 1120	General Chemistry II	4	
CHEM 1310	Concepts of Chemistry	3	
GEOL 1040	Physical Geology	4	
GEOL 1050	Historical Geology	4	
GEOL 1300	The Environment W/ Lab	4	
GEOL 1310	Concept of Earth Science	3	
PHYS 1300	Concepts of Physics	3	
PHYS 2010	Non-Calculus Based Physics I	4	
PHYS 2020	Non-Calculus Based Physics II	4	
PHYS 2110	Calculus Based Physics I	4	
PHYS 2120	Calculus Based Physics II	4	

3 Social/Behavioral Sciences elective to be chosen from:

ANT 1300	Cultural Anthropology	3	
ECN 2010	Principles of Economics	3	4
HIST 2040	African-American Studies	3	
POL 1010	United States Government & Politics	3	
POL 1020	Introduction to Political Science	3	
PSY 1010	General Psychology	3	
PSY 2100	Psychology of Human Development	3	3
PSY 2400	Human Development Through the Lifespan	3	
SOC 1010	General Sociology	3	
SOC 1020	Social Problems & Social Change	3	3
WMN 2200	Women in Society	3	

4 GEN ED General Education elective to be chosen from one unduplicated course in the

categories of communication, humanities/fine arts, mathematics/natural

sciences, or social/behavioral sciences in the General Education Course list.

D. Major Field Core: Total credits: 13

Rubric/Number	Course Title	Credit Hours	
HPC 1010	HPC Internetworking Security	4	4
SEAT 1000	Intro to Security Engineering & Admin Tech	3	3
SEAT 2800	Professional Practice	3	3
SEAT 2900	Security Engineering & Administration	3	3
Technology Internship			

E. Concentration: Total credits: 32

Security Engineering & Administration Technology/Security Administrator Concentration

Rubric/Number	Course Title	Credit	
Hours			
SEAT 1100	Investigation Techniques	3	
SEAT 1300	Emergency Planning	3	
SEAT 1500	Security Management I	3	
SEAT 1700	Physical and Personnel Security		3
SEAT 1900	Legal Aspects of Security	3	
HPC 2007	Intrusion Detection and Countermeasures		4
HPC 2010	Security Applications and Technologies	4	
SEAT 2500	Security Management II	3	
SEAT 1	Guided Electives	6	

SEAT 1 Security Engineering & Administration Technology guided electives chosen from SEAT 2600, any EET, HPC or SEAT courses not already required for the Security Administrator Concentration. Electives must be approved by the student's advisor or the program coordinator. Some courses may require prerequisites.

Security Engineering & Administration Technology/Security Technician Concentration

Rubric/Number	Course Title	Credit	Hours
EET 1012	Electrical Circuits I w/Lab	3	
EET 1210	Active Devices I w/Lab	4	
SEAT 1400	Security Systems I	4	
SEAT 1600	Installation Practices	4	
EET 2220	Active Devices II w/Lab		4
EET 2715	Microcomputer Architecture	4	
SEAT 2400	Security Systems II	3	
SEAT 1	Guided Electives	6	

SEAT 1 Security Engineering & Administration Technology guided electives chosen from SEAT 2600, any EET, HPC or SEAT courses not already required for the Security Technician Concentration. Electives must be approved by the student's advisor or the program coordinator. Some courses may require prerequisites.

F. Electives: The proposed program does not include general electives.

G. Other credits: Not applicable

H. Admission, Retention, and Graduation Requirements: Requirements will not differ from those stated in the College's Catalog & Handbook.

## Recommended Security Administration Plan

### Semester 1 (Fall)

ENGL 1010	English Composition I	3
HPC 1010	HPC Internetworking Security	4
MATH/NAT SCI	Math or Natural Science elective	3-4
SEAT 1000	Introduction to Security Administration	3
SEAT 1100	Investigation Techniques	3

### Semester II (Spring)

HUM ****	Humanities or Fine Arts Elective	3	
SEAT 1500	Security Management I	3	
SEAT 1300	Emergency Planning	3	
SEAT 1700	Physical and Personnel Security		3
SEAT 1900	Legal Aspects of Security	3	

### Semester III (Fall)

HPC 2007	Intrusion Detection	4
SEAT 2500	Security Management II	4
SEAT 2600	Special Topics in Security Engineering and Administration Technology	4
SEAT 2800	Professional Practice	3

### Semester IV (Spring)

ELEC****	Guided Elective/s	4
GEN ED	General Education Elective	3
SEAT 2900	Internship in Security Admin.& Technology	3
SBS *	Social/Behavioral Sciences Elective	3

## Total Hours Required for Graduation 60

## Recommended Security Technician Plan

### SEMESTER I (Fall)

ENGL 1010	English Composition I	3
EET 1012	Electric Circuits I	3
HPC 1010	HPC Internetworking Security	4
MATH	Math elective	3-5
SEAT 1000	Introduction to Security Administration	3

### SEMESTER II (Spring)

EET 1210	Active Devices I w/Lab	4
HUM ****	Humanities/Fine Arts Elective	3
SEAT 1300	Security Systems I	4
SEAT 1500	Installation Practices	4

SEMESTER III (Fall)

EET 2220	Active Devices II w/ Lab	4
EET 2715	Microcomputer Architecture	4
SEAT 2300	Security Systems II	4
SEAT 2800	Professional Practice	3

SEMESTER IV (Spring)

HUM****	Humanities Elective	3-4
ELEC****	Guided Electives	6
SEAT 2900	Internship in Security Admin. & Technology	3
GEN ED ****	General Education Elective	3

**Total Hours Required for Graduation 60**

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