

PUBLIC SERVICE TECHNOLOGY

Public Service Technology programs include those relating to education, law enforcement, fire science and environmental protection.

Students often complete career studies or certificate programs, find employment, and then continue to upgrade their skills and earning power by completing the AAS degree.

ADMINISTRATION OF JUSTICE

The curriculum provides a broad educational foundation and allows the option of concentrating in various specialties including law enforcement, corrections, or industrial security.

The Associate of Applied Science degree provides entry into the law enforcement field and can lead to promotion to a higher rank and/or supervisory position.

For employment with most criminal justice agencies, the following qualifications are prerequisites: good physical condition, free from any physical or mental condition which might adversely affect performance, normal hearing, color vision, and eye vision correctable to 20/20, weight in proportion to height, no convictions of any crime involving moral turpitude or conviction of any felony. A background investigation will be conducted by the employing agency to confirm the foregoing.

ASSOCIATE OF APPLIED SCIENCE DEGREE: ADMINISTRATION OF JUSTICE (400)

SEMESTER 1 (BASED ON A FALL SEMESTER START)

Course No.	Course Title	Credits	Prerequisite
ADJ 110	Introduction to Law Enforcement	3	
ADJ 111	Law Enforcement Organization and Administration I	3	
ENG 111	College Composition I	3	Placement
PSY 255	Psychological Aspects of Criminal Behavior (or ADJ 247)	3	
SDV 100	College Success Skills	1	
	Social Science Elective ¹	3	
Semester Total		16	

SEMESTER 2

Course No.	Course Title	Credits	Prerequisite
ADJ 140	Introduction to Corrections	3	
ADJ 201	Criminology	3	
ENG 112	College Composition II	3	ENG 111
	Social Science Elective ¹	3	
	Humanities Elective ¹	3	
Semester Total		15	

SEMESTER 3

Course No.	Course Title	Credits	Prerequisite
ADJ 211	Criminal Law, Evidence And Procedures I	3	
ADJ 105	The Juvenile Justice System	3	
	Mathematics Elective	3	Placement
	Science with Lab ¹	4	
	Health/Physical Education ¹	2	
	Elective ¹	3	
Semester Total		18	

SEMESTER 4

Course No.	Course Title	Credits	Prerequisite
ADJ 212	Criminal Law, Evidence And Procedures II	3	ADJ 211
ADJ 236	Principles of Criminal Investigation	3	
ADJ 299	Supervised Study in ADJ	4	
SPD 100	Principles of Public Speaking	3	
	Science with Lab ¹	4	
Semester Total		17	
Total Minimum Credits		66	

¹ Eligible courses are listed on page 146 in the 2006-2007 catalog. See your academic advisor or counselor to choose the appropriate course(s).

AMERICAN SIGN LANGUAGE

American Sign Language (ASL) is the natural language of deaf people in the United States. Two programs in ASL and Interpretation are designed to prepare hearing students to communicate with deaf people, and then to interpret between deaf and hearing people.

The career studies in American Sign Language is a one-year, part-time program. Prospective students include parents of deaf children and people who plan to work in deaf-related fields, such as social work, vocational rehabilitation, deaf education, etc. Office personnel who want to make their businesses more “deaf friendly” will benefit from this program of study. The program does not prepare a student to perform interpreting services between spoken English users and ASL users. Proficient ASL users require further training to become interpreters.

The ASL-English Interpretation Associate of Applied Science (AAS) degree is an aggressive two-year, full-time course of study designed to benefit those who are interested in providing communication access between deaf and hearing people. The requirements for admission to the program are proficiency in American Sign Language and proficiency in English as demonstrated by placement into ASL 261 and ENG 111. Students must earn at least a ‘C’ or better in each applicable prerequisite course in order to register for its subsequent course. Successful completion of this program prepares the student to pursue either a Virginia Quality Assurance Screening (VQAS) Level III, or national certification. These credentials qualify the student to interpret in entry-level settings, either in education or the community.

These two programs of study DO NOT count toward the first two years of a four-year degree. The AAS program DOES contain some general education courses that DO transfer to universities in the area.

For further information view the following website: www.tcc.edu/academics/division/academic/asl/index.htm. For academic counseling, career advisement, and admission to the ASL Studies or the Interpreter Education program, please contact the program head at 757-822-5018tty.

ASSOCIATE OF APPLIED SCIENCE DEGREE: ASL-ENGLISH INTERPRETATION (640)

SEMESTER 1 (BASED ON A FALL SEMESTER START)

Course No.	Course Title	Credits	Prerequisite
ASL 220	Comparative Linguistics: ASL and English	3	ASL 201
ASL 261	American Sign Language V	3	ASL 202 or Instructor Permission
INT 105	Interpreting Foundations I	3	Placement into ASL 261 and ENG 111
ENG 111	College Composition I	3	Placement
SDV 100	College Success Skills	1	
Semester Total		13	

SEMESTER 2

Course No.	Course Title	Credits	Prerequisite
ASL 262	American Sign Language VI	3	ASL 261
INT 106	Interpreting Foundations II	3	INT 105
INT 107	Translation Skills	3	INT 105
MTH 121	Fundamentals of Math	3	Placement
Semester Total		12	

SEMESTER 3

Course No.	Course Title	Credits	Prerequisite
INT 130	Interpreting: An Introduction to the Profession	3	
INT 133	ASL-to-English Interpretation I	3	INT 107
INT 134	English-to-ASL Interpretation I	3	INT 107
	Social Science Elective ¹	3	
Semester Total		12	

SEMESTER 4

Course No.	Course Title	Credits	Prerequisite
INT 233	ASL-to-English Interpretation II	3	INT 133
INT 234	English-to-ASL Interpretation II	3	INT 134
INT 235	Interpreting in Educational Settings	3	
PSY	Psychology Elective ¹	3	
Semester Total		17	

SEMESTER 5

Course No.	Course Title	Credits	Prerequisite
INT 236	Interpreting in Special Settings	3	INT 130
INT 250	Dialog Interpretation	3	INT 233 and INT 234
	Health/Physical Education ¹	2	
Semester Total		8	

SEMESTER 6

Course No.	Course Title	Credits	Prerequisite
INT 290	Coordinated Internship	5	INT 130
	Humanities Elective ¹	3	
Semester Total		8	

Total Minimum Credits 65

CAREER STUDIES: AMERICAN SIGN LANGUAGE (096)

SEMESTER 1 (FALL, FIRST EIGHT-WEEK)

Course No.	Course Title	Credits	Prerequisite
ASL 101	American Sign Language I	3	
ASL 125	History and Culture of the U.S. Deaf Community	3	
SDV 100	College Success Skills	1	
Semester Total		7	

SEMESTER 1 (FALL, SECOND EIGHT-WEEK)

Course No.	Course Title	Credits	Prerequisite
ASL 102	American Sign Language II	3	ASL 101
Semester Total		3	

SEMESTER 2 (SPRING, FIRST EIGHT-WEEK)

Course No.	Course Title	Credits	Prerequisite
ASL 201	American Sign Language III	3	ASL 102
ASL 150	Careers: Working with Deaf and Hard-of-Hearing People	2	
Semester Total		5	



SEMESTER 2 (SPRING, SECOND EIGHT-WEEK)

Course No.	Course Title	Credits	Prerequisite
ASL 202	American Sign Language IV	3	ASL 201
Semester Total		3	
Total Minimum Credits		18	

1 Eligible courses are listed on page 146 in the 2006-2007 catalog. See your academic advisor or counselor to choose the appropriate course(s).

EARLY CHILDHOOD DEVELOPMENT

The early childcare and education program prepares students in the care, supervision, and education of young children from birth to age eight. Students can also become qualified to work with children up to the age of twelve in before and after school programs. Individuals already working in the field enroll to improve their skills and qualify for advancement. Students will complete a 15-week supervised internship in an educational facility to give them hands-on, real life experience with children.

Employment options for students with the Associate of Applied Science degree include director, manager, teacher, teacher aide, substitute teacher, recreation aide, nutrition aide, program leader, business owner/operator, and private tutor. Settings include preschools, child care centers, family child care homes, Head Start programs, pre-kindergarten schools, private schools, agency-sponsored programs, religious-based programs, public schools, and before and after school programs.

The Early Childhood Instruction certificate trains students in the care, supervision, and education of children from birth through twelve years of age. Graduates earning this certification begin work in public and private child care centers, preschool programs, family child care homes, before and after school programs, and religious –sponsored programs, or as a private family nanny.

The Child Development Career Studies provides students with entry-level knowledge required to work with children. These core courses also meet the requirements for students to begin their CDA credentialing processes.

The Educational Support Specialist Career Studies leads to positions as a teacher assistant in public and private schools.

The Administering Programs for Young Children for Young Children Career Studies provides students with legal and clerical information required to manage, direct, and/or own any type of facility designated to care and educate young children.

The School Age Care Career Studies trains students to efficiently and effectively plan, implement, and manage a high quality before and after school program using state and national guidelines and field-tested program planning.

ASSOCIATE OF APPLIED SCIENCE DEGREE: EARLY CHILDHOOD DEVELOPMENT (636)

SEMESTER 1 (BASED ON A FALL SEMESTER START)

Course No.	Course Title	Credits	Prerequisite
CHD 109	Music and Movement for Children	3	
CHD 120	Introduction to Early Childhood Education	3	
CHD 125	Creative Activities for Children	3	
ENG 111	College Composition I	3	Placement
PSY 235	Child Psychology (or PSY 231)	3	
SDV 100	College Success Skills	1	
Semester Total		16	

SEMESTER 2

Course No.	Course Title	Credits	Prerequisite
CHD 118	Language Arts for Young Children	3	
CHD 126	Science and Math Concepts For Children	3	
CHD 205	Guiding the Behavior of Children	3	
CHD 210	Introduction to Exceptional Children	3	
ENG 112	College Composition II	3	ENG 111
SPD 100	Principles of Public Speaking (or SPD 105)	3	
Semester Total		18	

SEMESTER 3

Course No.	Course Title	Credits	Prerequisite
CHD 166	Infant and Toddler Programs	3	
CHD 290	Coordinated Internship in Education	3	
EDU 160	Techniques of Observation in Early Education	3	
PSY 201	Introduction to Psychology I (or PSY 232)	3	
	Mathematics or Science with Lab ¹	3-4	Placement
Semester Total		15-16	

SEMESTER 4

Course No.	Course Title	Credits	Prerequisite
CHD 270	Administration of Childcare Programs	3	
HLT 135	Child Health and Nutrition	3	
ITE 115	Introduction to Computer Applications and Concepts	4	
SOC 215	Sociology of the Family	3	
	Humanities Elective ¹	3	
Semester Total		16	
Total Minimum Credits		65-66	

CERTIFICATE: EARLY CHILDHOOD INSTRUCTION (632)

SEMESTER 1

Course No.	Course Title	Credits	Prerequisite
CHD 109	Music and Movement for Children	3	
CHD 120	Introduction to Early Childhood Education	3	
CHD 125	Creative Activities for Children	3	
ENG 111	College Composition I	3	Placement
PSY 235	Child Psychology (or PSY 231)	3	
SDV 100	College Success Skills	1	
	Elective ¹	3	
Semester Total		19	

SEMESTER 2

Course No.	Course Title	Credits	Prerequisite
CHD 118	Language Arts for Young Children	3	
CHD 126	Science and Math Concepts For Children	3	
CHD 205	Guiding the Behavior of Children	3	
CHD 290	Coordinated Internship in Education	3	
HLT 135	Child Health and Nutrition	3	
Semester Total		15	
Total Minimum Credits		34	

CAREER STUDIES: ADMINISTERING PROGRAMS FOR YOUNG CHILDREN (061.01)

Course No.	Course Title	Credits	Prerequisite
ACC 211	Principles of Accounting I	3	
BUS 200	Principles of Management	3	
CHD 120	Introduction to Early Childhood Education (or EDU 160)	3	
CHD 270	Administration of Childcare Programs	3	
CHD 290	Coordinated Internship in Education	3	
HLT 135	Child Health and Nutrition	3	
ITE 115	Introduction to Computer Applications and Concepts	4	
Total Minimum Credits		22	

CAREER STUDIES: CHILD DEVELOPMENT (066)

Course No.	Course Title	Credits	Prerequisite
CHD 120	Introduction to Early Childhood Education (or EDU 160)	3	
CHD 125	Creative Activities for Children	3	
CHD 205	Guiding the Behavior of Children	3	
HLT 135	Child Health and Nutrition	3	
Total Minimum Credits		12	

CAREER STUDIES: EDUCATIONAL SUPPORT SPECIALIST (056.01)

Course No.	Course Title	Credits	Prerequisite
CHD 118	Language Arts for Young Children	3	
CHD 120	Introduction to Early Childhood Education	3	
CHD 126	Science and Math Concepts For Children	3	
CHD 205	Guiding the Behavior of Children	3	
PSY 235	Child Psychology (or PSY 231)	3	
	Approved Program Elective*	3	
Total Minimum Credits		18	

* Approved program electives may be chosen from CHD 125, CHD 210, or HLT 135.

CAREER STUDIES: SCHOOL AGE CARE (088)

Course No.	Course Title	Credits	Prerequisite
CHD 220	Introduction School Age Child Care	3	
CHD 225	Curriculum Development For School Age Child Care	3	
CHD 230	Behavior Management for School Age Child Care	3	
CHD 235	Health and Recreation for School Age Child Care	3	
HLT 105	Cardiopulmonary Resuscitation	1	
HLT 106	First Aid and Safety	2	
PSY 235	Child Psychology (or PSY 231)	3	
Total Minimum Credits		18	

1 Eligible courses are listed on page 146 in the 2006-2007 catalog. See your academic advisor or counselor to choose the appropriate course(s).

ENVIRONMENTAL PROTECTION

This program is designed for students who want to enter into or advance within government or industry protection fields.

A career studies will immediately qualify students for an entry-level position in the field of environmental protection, hazardous waste handling or with accident response teams. An Associate of Applied Science degree will allow students to advance into the field as a supervisor or consultant.

ASSOCIATE IN APPLIED SCIENCE DEGREE: ENVIRONMENTAL PROTECTION (451)

SEMESTER 1 (BASED ON A FALL SEMESTER START)

Course No.	Course Title	Credits	Prerequisite
CHM 111	College Chemistry I (or Approved Lab Science ¹)	4	
ENG 111	College Composition I	3	Placement
ENV 101	Introduction to Environmental Technology I	3	
ENV 220	Environmental Problems	3	
MTH 158	College Algebra (or MTH 163)	3	Placement
SDV 100	College Success Skills	1	
Semester Total		17	

SEMESTER 2

Course No.	Course Title	Credits	Prerequisite
CHM 112	College Chemistry II (or Approved Lab Science ¹)	4	CHM 111
ENV 102	Introduction to Environmental Technology II	3	
ENV 227	Environmental Law	3	
MTH 240	Statistics (or MTH 164)	3	MTH 158 or MTH 163
	Health/Physical Education ¹	1	
	Social Science Elective ¹	3	
Semester Total		17	

SEMESTER 3

Course No.	Course Title	Credits	Prerequisite
ENV 183	OSHA Hazardous Waste Operations and Response	3	
ENV 215	Sampling Techniques	3	SAF 175
ENG 231	Environmental Codes I	3	
SAF 120	Safety and Health Standards: REG and Codes	3	
	Humanities Elective ¹	3	
	Health/Physical Education ¹	1	
Semester Total		16	

SEMESTER 4

Course No.	Course Title	Credits	Prerequisite
ENV 126	Evaluating the Hazard Risk (or Approved ENV/SAF Elective ²)	3	
ENV 232	Environmental Codes II	3	ENV 231
ENG 290	Coordinated Internship (or Approved ENV/SAF Elective ²)	3	
IND 121	Industrial Supervision I	3	
SAF 125	Computer Applications for Technicians	4	
	Social Science Elective ¹	3	
Semester Total		19	
Total Minimum Credits		69	

CAREER STUDIES: ENVIRONMENTAL PROTECTION (089)

Course No.	Course Title	Credits	Prerequisite
ENV 101	Introduction to Environmental Technology I	3	
ENV 102	Introduction to Environmental Technology II	3	
ENV 183	OSHA Hazardous Waste Operations and Response	3	
ENV 215	Sampling Techniques	3	SAF 175
ENV 220	Environmental Problems	3	
ENV 227	Environmental Law	3	
ENV 231	Environmental Codes I	3	
IND 121	Industrial Supervision I	3	
Total Minimum Credits		24	

CAREER STUDIES: INDUSTRIAL WASTEWATER TREATMENT (068)

Course No.	Course Title	Credits	Prerequisite
ENV 146	Advanced Wastewater Licensure Review	2	
ENG 148	Water and Wastewater Treatment Computational Operations	2	
ENV 149	Wastewater Treatment Plant Operation	3	
ENV 217	Industrial Waste Treatment	3	
Total Minimum Credits		10	

CAREER STUDIES: POTABLE WATER (058)

Course No.	Course Title	Credits	Prerequisite
ENV 111	Principles of Water Systems Operation I	2	
ENV 112	Principles of Water Systems Operation II	2	
ENV 114	Water Quality Analysis	1	
ENV 115	Water Purification	3	
ENV 148	Water and Wastewater Treatment Computational Operations	2	
Total Minimum Credits		10	

- 1 Eligible courses are listed on page 146 in the 2006-2007 catalog. See your academic advisor or counselor to choose the appropriate course(s).
- 2 Consult with your academic advisor or counselor. Courses must be approved by the appropriate academic dean.

FIRE SCIENCE

An Associate of Applied Science degree will qualify students to become a fire administrator, a municipal department administrator, a safety director, a fire arson investigator, a state training coordinator, a fire insurance appraiser, or a fire apparatus and equipment salesperson.

Entry into fire science requires a personal interview with a representative of the fire science program.

ASSOCIATE OF APPLIED SCIENCE DEGREE: FIRE SCIENCE (427)

SEMESTER 1 (BASED ON A FALL SEMESTER START)

Course No.	Course Title	Credits	Prerequisite
ENG 111	College Composition I	3	Placement
FIR 100	Introduction to Fire Science	3	
FIR 105	Fire Suppression Operations	3	
SDV 101	Orientation to Health Care (or SDV 100)	1	
	Humanities Elective ¹	3	
	Science with Lab ¹	4	
Semester Total		17	

SEMESTER 2

Course No.	Course Title	Credits	Prerequisite
ENG 131	Technical Report Writing	3	ENG 111
FIR 110	Hazardous Materials	4	
FIR 116	Fire Prevention Fundamentals	3	
FIR 193	Firefighter Health and Safety	3	
ITE 115	Introduction to Computer Applications and Concepts	4	
Semester Total		17	

SEMESTER 3

Course No.	Course Title	Credits	Prerequisite
FIR 210	Fire Service and the Law	3	
FIR 220	Building Construction	3	
FIR 230	Investigation Procedures	3	
	Mathematics Elective ²	3	Placement
	Social Science Elective ¹	3	
Semester Total		15	

SEMESTER 4

Course No.	Course Title	Credits	Prerequisite
FIR 205	Fire Hydraulics and Distribution Systems	3	
FIR 234	Emergency Incident Management	3	
FIR 238	Emergency Services Management	3	
FIR 256	Fire Suppression Systems And Equipment	3	
	Health/Physical Education ¹	2	
	Social Science Elective ¹	3	
Semester Total		17	
Total Minimum Credits		66	

- 1 Eligible courses are listed on page 146 in the 2006-2007 catalog. See your academic advisor or counselor to choose the appropriate course(s).
- 2 Any 100 level math or higher.

NOTES:

- > It is recommended that at the time of graduation all students have a current Emergency Medical Technician's Certificate.

