

## SECTION 7

**CAREER LADDERS****CHILD DEVELOPMENT****Certificate in Applied Science – 31 Credit Hours**

The certificate is an initial entry and exit point for students interested in a career in child development.

	<b>Course</b>	<b>Credit hours</b>
EDUC 250	Intro to Early Education	3
ENGL 101	English Composition 1	3
CDEV 105	Family and the Child	3
CDEV 210	Curriculum and Strats for Early Child Programs	3
PSYC 241	Human Growth and Development	3
CDEV 205	Young Children with Special Needs	3
MATH 100	Intermediate Algebra	4
CDEV 240	Observation & Assessment Strategies	3
CDEV 155 or EDUC 230	Guiding Young Children or Cooperative Discipline	3
EDUC 255	Language Arts & Emergent Literacy	3
	<b>Total Hours</b>	<b>31</b>

**Certificate Career Opportunities\***

<b>Job</b>	<b>Average Hourly Rate</b>
Child Care Workers	\$7.25
Nannies	\$7.25

	<b>Course</b>	<b>Credit Hours</b>
	Certificate in Child Development courses (shown above)	31
CDEV 243	Infant and Toddler Development	3
Any SOC with a 100 or 200 level Course number	Suggested: SOC 101, 107, 151, 221, or 235 Intro to Sociology, Social Problems, Sociology of the Workplace, Marriage and the Family, Race Relations and Minority Groups	3
ENGL 102	English Composition II	3
HPER 172	First Aid	2
CDEV 242	Preschool Development	3
HPER 215	Personal and Community Health	2
CDEV 251*	Capstone	4
CDEV 255	Capstone Seminar	3
CS 101 or 108 Educational Technology	Introduction to Computing or	3
COMM 111 or 112	Fundamentals of Speech or Interpersonal Communication	3
	<b>Total Hours</b>	<b>60</b>

**Associate Degree Career Opportunities\***

Job	Average Hourly Rate
Recreation Workers	\$9.33
Teacher Assistants	\$9.45

**Bachelor of Applied Science - Child Development – 120 Credit Hours**

The Bachelor of Applied Science with an emphasis in Child Development provides preparation for those interested in working in childcare, Head Start, resource and referral, birth to three or as a paraprofessional. The BAS with an Emphasis in Child Development does not lead to teacher certification. Students interested in working in a public school as a preschool teacher should pursue the elementary education degree with an early education pre-K endorsement. Section 6 Programs of Study outlines requirements for admission to this program.

	Course	Credit Hours
Choose 4 hours of Lab science	Suggested: Biology 101 and 103 General Biology I and Lab	4
MATH 126	College Algebra	3
CDEV 320	Ethics and Administration 1	3
EDUC 300*	Theories of Learning	3
Any SOC with a 300 or 400 level course number	Suggested: SOC 360 or 405 Gender and Human Identity or Introduction to Social Inequality	3
Art 101 or MUSI 101 or THEA 101	Art Appreciation or Music Appreciation or Theatre Appreciation	3
MATH 304	Media and Communication for Math	2
CDEV 332	Science Exploration for Pre K	3
CDEV 325	Ethics and Administration 2	3
Any COMM with a 300 or 400 level course number	Suggested: COMM 306, 308, or 316 Human Communication in Organizations, Nonverbal Communication, Intercultural Communication	3
ENGL 131 OR 132	Types of Literature I OR Types of Literature II	3
PSYC 363	Theories of Personality	3
CDEV 335	Creative Experience in Early Education	3
CDEV 336	Early Experience in Social Studies	3
EDUC 230* OR PSYCH 101, 231, 251, 281, OR any HIST	Cooperative Discipline, Intro to Psych, Leadership and Human Relations, Intro to Social Psychology, Abnormal Psychology, or any history	3
ENGL 403	Children's Literature	3
EDUC 302	Strategies in Early Education	3
EDUC 402*	Early Childhood Curriculum	2
CDEV 405*	Practicum in Early Childhood	3
CDEV 406	Seminar in Early Childhood	4
<b>Total Hours</b>		<b>120</b>

\*Field experience required.

Additional field experience may be required as part of individual child development courses.

**Bachelor Degree Career Opportunities\***

Job	Average Hourly Rate
Education Administrators, Preschool and Child Care Center/Program	\$14.37
General and Operations Managers (includes Small Business Owners)	\$26.76

**CRIMINAL JUSTICE****Certificate in Applied Science – 30 Credit Hours**

	Course	Credit Hours
CJ 111	Introduction to Criminal Justice	3
CJ 112	Criminal & Constitutional Law	3
CJ 123	Introduction to Corrections	3
CJ 290	Professionalism	3
CJ 212	Ethics in Criminal Justice	3
CJ 231	Criminal Investigations	3
PSYC 101	Introduction to Psychology	3
SOC 101	Introduction to Sociology	3
ENGL 101	Composition I	3
COMM 111	Fundamentals of Speech	3

**Certificate Career Opportunities\***

Job	Average Hourly Rate
Animal Control Workers	\$13.83
Bailiffs	\$16.73
Parking Enforcement Workers	\$15.15
Security Cards	\$9.76

**Associate in Applied Science – 60 Credit Hours**

This degree program studies society's formal control systems, the administration of justice and the criminal process. It covers various aspects of police and security work, criminal law and the courts, the penal system, crime prevention and investigation, correctional theories, and root causes of crime. It is a program designed to provide students with a basic understanding of the criminal justice system and the basic skills needed to further education and work in law enforcement, corrections, and justice. CJ 111 is to be the first CJ course for Criminal Justice majors. CJ 291 will be taken the semester of graduation. A major field test will be taken in CJ 111 and again in CJ 291. The AAS in Criminal Justice is also available for completion as an online program. Section 6 Programs of Study outlines requirements for admission to this program.

	Course	Credit Hours
Certificate in Applied Science in Criminal Justice (above)		30
CJ 232	Criminology	3
CJ 291	Internship	3
PSYC 281 <b>OR</b>	Abnormal Psychology <b>OR</b>	3
PSYC 365	Forensic Psychology	
Math 126 (or higher)	College Algebra (or higher)	3
HPER 172	Standard First Aid	2

SOC 235	Race Relations & Min Groups	3
POLS 101 <b>OR</b>	Elements of Democratic Govt. <b>OR</b>	3
POLS 102	American Fed Govt.	
ENGL 102	Composition II	3
Natural Science		4
CJ Elective		3

**Associate Degree Career Opportunities\***

Job	Average Hourly Rate
First-Line Supervisors/Managers of Police and Detectives	\$22.16
Police Detectives	\$16.63
Police Patrol Officers	\$14.01
Private Detectives and Investigators	\$16.90

**Bachelor of Applied Science Criminal Justice – 120 Credit Hours**

This program includes studies of the administration of criminal justice and the criminal justice process. The degree has two concentrations: Administration of Criminal Justice and Crime Scene Investigations. Both concentrations provide the student with a comprehensive overview of the criminal justice system, process and theories involved. The degree will prepare the student for a rewarding career in the criminal justice field in jobs such as: police officer, crime scene tech, correctional officer, investigator, pre-law and probation. Section 6 Programs of Study outlines requirements for admission to this program.

Course	Credit Hours	
Certificate and AAS Degree Courses (above)	60	
COMM 308	Nonverbal Communication	3
ENGL 308	Advanced Writing	3
SPAN 103	Spanish for First Responders	3
CJ 440	Research Methods in CJ	3
CJ 305	Interviewing & Crisis Management	3
CJ 460	Capstone	2
CJ	Electives (5 courses @ 3 hours each)	15
MATH 211	Statistics	3
	<b>35 hours</b>	

Choose one of the following concentrations.

**Administration of Justice**

PSYC 231	Leadership & Human Relations	3
CJ 320	Police Administration and Supervision	3
Natural Science Elective	Lab Science	4
POLS 220	State & Local Govt.	3
CJ	Electives (4@300 level or higher)	12
	<b>Total</b>	<b>25</b>
	<b>Total</b>	<b>120 (25 + 95)</b>

**Crime Scene Investigation**

Course	Credit Hours	
CJ Electives	4 electives @300 level or higher	12
CJ 330	Firearms & Ballistics	3
CJ 355	Crime Scene Investigations	4
CJ 375	Crime Scene Photography	3
CJ 388	Bloodstain Patterns	4
	<b>Total</b>	<b>120 (25 + 95)</b>

**Bachelor Degree Career Opportunities\***

Job	Average Hourly Rate
Criminal Investigators and Special Agents	\$16.63
Fish and Game Wardens	\$21.19
Forensic Science Technicians	\$22.47
Probation Officers and Correctional Treatment Specialists	\$13.15

## Electricity & Instrumentation and Multi-Craft Technology

### Certificate in Applied Science in Electricity & Instrumentation – 30 Credit Hours

The E&I certificate provides basic skill sets for working as an electrician or instrumentation technician in an industrial setting.

	Course	Credit hours
MTEC 102	Introductory Craft Skills	2
MTEC 103	Introduction to Maintenance Technologies	3
ELEC 102	Electrical & Instrumentation Technology 1	3
ELEC 103	Electrical & Instrumentation Technology 2	3
ELEC 104	Electrical & Instrumentation Technology 3	3
MATH 107	Shop Math	3
ELEC 202	Electrical & Instrumentation Technology 4	3
ELEC 203	Electrical & Instrumentation Technology 5	3
ELEC 204	Electrical & Instrumentation Technology 6	3
ENGL 107	Technical Writing	3
ELEC 260	Capstone Course	1
	<b>Total</b>	<b>30</b>

#### Certificate Career Opportunities\*

Job	Average Hourly Rate
Electrical and Electronics Repairers, Commercial and Industrial Equipment	\$17.90
Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	\$21.85

### Associate in Applied Science in Multi-Craft Technology – 61 Credit Hours

This program prepares graduates for positions as technicians that install, service, repair and maintain equipment in today's modern industrial, commercial and/or manufacturing facilities. Students learn many aspects of maintenance activity that are required to be successful in several business sectors. Students learn technical skills in reading schematics, pneumatics/hydraulics, welding, fabrication, electricity and safety and maintenance procedures. Educational experiences include extensive hands-on instruction in a laboratory/shop setting. This blend of theory and application helps the student to adapt to changing technology and work environments.

	Course	Credit hours
Certificate of Applied Science	Courses from above	30
IM 101	Industrial Maintenance 1	3
IM 102	Industrial Maintenance 2	3
IM 103	Industrial Maintenance 3	3
IM 201	Industrial Maintenance 4	3
IM 202	Industrial Maintenance 5	3

IM 203	Industrial Maintenance 6	3
MATH 108	Shop Math 2	3
COMM 112	Interpersonal Communication	3
PHIL 231	Workplace Ethics	3
CS 101	Introduction to Computing	3
MTEC 280	Capstone Course	1
	<b>Total</b>	<b>61</b>

#### Associate Degree Career Opportunities\*

Job	Average Hourly Rate
Electrical Engineering Technicians	\$29.01
Industrial Engineering Technicians	\$21.43

#### Bachelor of Applied Technology with a Concentration in Management – 120 Credit Hours

The bachelor of applied technology (BAT) offers an exciting opportunity to pursue a career as a manager/executive or engineering technician of complex technological systems. This area is identified as the largest growing occupation in the next five years. The degree completes a 2+2 educational process. In the first two years, students complete an applicable associate of applied science degree. The last two years is the BAT program.

Course	Credit hours
Certificate and AAS Courses from above	61
MGMT 338 Labor Relations	3
ENVR 310 Topics in Environmental Science	3
GBUS 310 Business Law	3
FIN 356 Fundamentals of Investing	3
STEM 420 Project Management	3
MGMT 333 Human Resource Management	3
MGMT 322 Organizational Behavior	3
MGMT 230 Principles of Management	3
STEM 393 <u>or</u> STEM 460 Cooperative Work Experience <u>or</u> Interdisciplinary Project	1
GBUS 304 Advanced Excel	3
COMM 303 Business and Professional Communication	3
PHIL 347 Advanced Ethics	3
PSYC 310 Environmental Psychology	3
COMM 306 Human Communication in Organizations/Institutions	3
MATH 112 Technical Math 2	4
MATH 211 Statistics	3
ENGL 102 Composition 2	3
GBUS 101 Introduction to Business	3
PHIL 231 Workplace Ethics	3
Natural Science Elective	4
<b>Total</b>	<b>121 (60 + 61)</b>

#### Bachelor Degree Career Opportunities\*

Job	Average Hourly Rate
Industrial Production Managers	\$41.57
First-Line Supervisors/Managers of Mechanics, Installers, and Repairers	\$20.18

## Legal Studies

### Certificate in Applied Science Legal Studies – 30 hours credit

Students may earn a certificate in Legal Studies. This legal studies career pathway begins with the certificate, which is embedded into the AAS and leads to the Bachelor of Science in Legal Studies. Requirements for Certificate: 30 hrs.

	<b>Course</b>	<b>Credit hours</b>
LS 101	Intro to Legal Studies	3
ACCT 123	Office Accounting	3
CS 101	Intro to Computing	3
LS 210	Legal Research and Writing 1	3
LS 220	Legal Research and Writing 2	3
LS 231	Legal Ethics & Profess. Resp.	3
SPCH 111	Fundamentals of Speech	3
SOC 101	Intro to Sociology	3
ENGL 101	Composition I	3
PSYC 101	Intro. To Psychology	3
	<b>Total</b>	<b>30</b>

### Associate in Applied Science Legal Studies – 60 credit hours

Students may earn an Associate in Applied Science in Legal Studies. This Legal Studies career pathway begins with the certificate, which is embedded into the AAS and leads to the Bachelor of Science. Section 6 Programs of Study outlines requirements for admission to this program.

	<b>Course</b>	<b>Credit hours</b>
	Certificate in Legal Studies courses (from above)	30
LS 240	Civil Procedures	3
CJ 270	Courtroom Procedures	3
LS 291	Internship	3
BTEC 275	Adv. Micro. App. For Bus.	3
SOC 233 or SOC 235	Juvenile Delinquency <i>or</i> Race Relations	3
SOC 232	Criminology	3
POLS 101	Elements of Democratic Govt.	3
ENGL 102	Composition 2	3
Lab Science		4
HPER 172 or HPER 215	Standard First Aid <i>or</i> Personal/Community Health	2
CJ 221	Police Physical Agility	
	<b>Total</b>	<b>60</b>

### Bachelor of Applied Science Legal Studies - 120 credit hours

This program will allow students to earn a Bachelor Degree in Applied Science (BAS) in Legal Studies. This Legal Studies career pathway begins with a certificate, which is embedded into the AAS and leads to the Bachelor of Applied Science. Section 6 Programs of Study outlines requirements for admission to this program.

	<b>Course</b>	<b>Credit hours</b>
	Certificate and AAS courses (from above)	60
CJ 111	Intro to Criminal Justice	3
CJ 112	Const. & Criminal Law	3
CJ 213	Probation and Parole	3
CJ 313	Criminal Procedures	3
LS 311	Torts	3
LS 315	Contracts	3
LS 320	Property	3
LS 330	Evidence	3
LS 335	Family Law	3
LS 460	Capstone (Last class taken in BAS)	2
PSYC 365	Forensic Psychology	3
POLS 102	American Federal Government	3
MATH 126	Math 126 or Higher	3
POLS 211	Functions of Democratic Govt.	3
POLS 220	State and Local Government	3
COMM 303	Bus. & Profess Comm.	3

GBUS 310	Business Law 1	3
GBUS 412	Business Law 2	3
Lab Science		4
SPAN 103	Spanish for First Responders	3
	<b>Total</b>	<b>120</b>

## Nursing

### Certificate in Allied Health – 30-31 Credit Hours

This degree certificate prepares a student for entry into the nursing program or other health care fields. It allows the student to choose a pathway to certified nursing assistant and phlebotomist as an alternative to nursing. Upon successful completion of this degree certificate and completion of the certification exams, the graduate will have opportunities for employment in long term care facilities, clinics, physician offices and laboratories.

	<b>Course</b>	<b>Credit hours</b>
ENGL 101	English Composition 1	3
PSYC 101	Intro to Psychology	3
BTEC 253	Medical Terminology	3
BIOL 107* <i>or</i> BIOL 109/113	Anatomy & Physiology 1 <i>or</i> Anatomy & Physiology for Allied Health	4-5
MATH 100	Intermediate Algebra	4
Skills Sets**	CNA 101 (7 hrs.), PHLEB 101 (7 hrs.), PTEC 101 (7 hrs.) <i>or</i> BTEC 254/255/256 (9 hrs.)	14-15
	<b>Total</b>	<b>30-31</b>

\*CS 101 may be substituted for BIOL 107

\*\*14 hours of Skills Sets must be completed. NURS 134 may be substituted for CNA 101

### Certificate Career Opportunities\*

<b>Job</b>	<b>Average Hourly Rate</b>
Home Health Aides	\$8.33
Personal Care Aides	\$8.09

### Associate in Applied Science in Nursing – Certificate +50 Credit Hours

This associate degree program is designed to guide qualified students through structured learning experiences in health care settings to meet eligibility requirements for the National Council Licensing Examination for Registered Nurses. WVU Parkersburg's associate degree in nursing is approved by the West Virginia Board of Examiners for Registered Professional Nurses and accredited by the Accreditation Commission for Education in Nursing (ACEN), 3343 Peachtree Road NE, Suite 850, Atlanta, Georgia, 30326. Phone: **404.975.5000**, Fax: **404.975.5020**, Website: **www.acen.org**. Section 6 Programs of Study outlines requirements for admission to this program.

	<b>Course</b>	<b>Credit hours</b>
	Certificate in Allied Health (courses above)	30-31
NURS 132	Drug and Dosage Calculation I	1
NURS 133	Health Assessment and Diagnostics I	2
NURS 134	Introduction to Nursing Concepts	8
NURS 142	Drug and Dosage Calculation II	1
NURS 143	Health Assessment and Diagnostics II	1
NURS 144	Nursing Concepts of Health and Illness I	9
BIOL 108	Anatomy & Physiology 2	4
NURS 234	Nursing Concepts of Health and Illness II	9
NURS 244	Synthesis of Nursing Concepts	9



BIOL 200	Microbiology	3
NURS 245	Professional Nursing and Health Systems Concepts	3
	<b>Total</b>	<b>80-81 (50 +30-31)</b>

**Associate Degree Career Opportunities\***

Job	Average Hourly Rate
Registered Nurses (Acute Care setting)	\$22.45

**Bachelor of Science BS in Nursing – + 60 Credit Hours**

Course	Credit hours
Certificate and AAS courses from above	80-81
NURS 311	4
NURS 320	3
NURS 324	3
NURS 330	3
NURS 440	3
NURS 431	3
NURS 450	3
NURS 451	3
NURS 452	4
MATH 100	4
MATH 211	3
COMM 111	3
PHIL 150	3
ART 101 or	3
MUSI 101 or THEA 101	3
ENGL	3
BIOL/CHEM/PHYS	3
PSYC/SOC	3
HIST	3
Elective	3
<b>Total</b>	<b>139-140</b>

**Bachelor Degree Career Opportunities\***

Job	Average Hourly Rate
Registered Nurses (Acute Care setting)	\$22.45

\*Source: EMSI for region consisting of Jackson, Pleasants, Ritchie, Roane, Tyler, Wirt, and Wood Counties, WV.