



# ACADEMIC MAP

Computer Science, A.A.S.


## Semester 1

COURSE	CREDIT HOURS	SIGNIFICANCE
COLL 101 — ORIENTATION TO COLLEGE	1	
CS 101 — INTRODUCTION TO PC APPLICATIONS	4	
CS 121 — INTRODUCTION TO PROGRAMMING	4	Prerequisite 
MATH 125 — TECHNICAL MATH OR HIGHER	3	
ENGL 101 — COMPOSITION 1 OR ENGL 103 — ENGLISH GRAMMAR, USAGE, AND STYLE	3	
<b>TOTAL</b>	<b>15</b>	



## Semester 2

COURSE	CREDIT HOURS	SIGNIFICANCE
CS 122 — OBJECT ORIENTED PROGRAMMING	4	
CIT 130 — PRINCIPLES OF INFORMATION SYSTEMS	3	
CS 129 — INTRODUCTION TO WEB PAGE DESIGN	3	
CS 201 — DATABASE THEORY AND DESIGN	3	
FREE ELECTIVE	2	
<b>TOTAL</b>	<b>15</b>	

## Semester 3

COURSE	CREDIT HOURS	SIGNIFICANCE
CS 221 — DATA STRUCTURES	4	
CIT 114 — WINDOWS OPERATING SYSTEMS	3	Microsoft Cert.
CS 220 — WEB APPLICATION PROGRAMMING	3	
CIT 105 — INTRODUCTION TO NETWORKS	5	Cisco 1
<b>TOTAL</b>	<b>15</b>	

## Semester 4

COURSE	CREDIT HOURS	SIGNIFICANCE
SOCIETY, DIVERSITY & CONNECTIONS GENERAL EDUCATION ELECTIVE	3	See Reverse
CIT 240 — INTRODUCTION TO LINUX	3	Linux Cert. 
COMM 111 — FUNDAMENTALS OF SPEECH	3	
CS 260 — COMPUTER SCIENCE CAPSTONE	3	Capstone 
SEC 101 — SECURITY FUNDAMENTALS	3	
<b>TOTAL</b>	<b>15</b>	



### The Associate of Applied Science in Computer Science

provides the skills needed for success in software

development, database design, website design and web applications, as well as other related fields. You'll be taught computer programming, web layout, database design and administration, networking and web applications.



### MILESTONE COURSES

These courses are the keys to graduation.

Courses should be taken in the recommended semesters to stay on time for completion.



### POTENTIAL CAREERS

Web Developer / Designer, Database Administrator, Software Developer.



### CAPSTONE COURSE

A semester long project that must be taken in the graduation semester.

A "C" or better must be earned. Software Development Fundamentals Certification.



Students should average 15 credit hours per semester, or 30 per year, to graduate on time.

TOTAL HOURS FOR DEGREE

60

# GENERAL EDUCATION COURSES



To ensure breadth and depth as students meet these broad education goals, the curriculum focuses on six academic "strands."

Composition & Rhetoric	Science & Technology	Math & Quantitative Skills	Society, Diversity, & Connections	Human Inquiry & the Past	The Arts & Creativity
ENGL 101	ASTR 106	MATH 120*	COMM 105	HIST 101	<b>History &amp; Literature of the Arts</b>
ENGL 102	BIOL 101 & BIOL103 lab	MATH 121	COMM 111	HIST 102	
ENGL 107*	BIOL 102 & BIOL 104 lab	MATH 125*	COMM 112	HIST 152	ART 101
ENGL 108*	BIOL 107*	MATH 126	ECON 201	HIST 153	ART 105
	BIOL 108 *	MATH 128	ECON 202	HIST 250*	ART 106
	BIOL 109 *	MATH 129	FREN 101	PHIL 111	MUSI 170
	BIOL 115	MATH 150	FREN 102	PHIL 150*	THEA 101
	BIOL 117	MATH 155	GEOG 102	PHIL 170	<b>Literature</b>
	BIOL 171	MATH 156	GEOG 240		ENGL 131
	CHEM 111	MATH 211	POLS 102		ENGL 132
	CHEM 115		POLS 220		ENGL 221
	CHEM 116		PSYC 101		ENGL 222
	CS 101		PSYC 241		ENGL 241
	GEOL 101 & GEOL 102 lab		RELI 231		ENGL 242
	GEOL 103 & GEOL 104 lab		SOC 101		ENGL 261
	GEOL 105 & GEOL 105L		SOC 105		ENGL 262
	PSCI 111		SOC 221		ENGL 285
	PSCI 112		SOC 232		<b>Applied Arts</b>
	PHYS 101		SPAN 101		ART 109
	PHYS 102		SPAN 102		THEA 102
	PHYS 111				<b>Creative Writing</b>
	PHYS 112				ENGL 213
					ENGL 214
					ENGL 215

\* Serves technical and professional degree programs specific to WVU Parkersburg. Does not transfer to WVU as General Education. (March 2018)