SHELTON STATE COMMUNITY COLLEGE

Computer Science Technology - Programming & App Development
Associate in Applied Science
M.A.P.

Semester	Suggested Courses		Semester(s) Offered*	Credit Hours
Semester 1 15 credit hours	CIS 149	Introduction to Computers	Fall	3
	CIS 191	Introduction to Computer Programming Concepts	Fall	3
	CIS 193A	Introduction to Computer Programming Lab	Fall	1
	CIS 157	Introduction to App Development with Swift	Fall	3
	MTH 100 ***or*** MTH 116	Intermediate College Algebra ***or*** Mathematical Applications	Fall, Spring, Summer	3
	ORI 101	Orientation to College	Fall, Spring, Summer	2
Semester 2 13 credit hours	CIS 263	Computer Maintenance	Spring	3
	CIS 251	C++ Programming (Recommended CST Elective)	Spring	3
	CIS 193B	C++ Programming Lab (Recommended CST Elective)	Spring	1
	CIS 220	App Development with Swift I (Recommended CST Elective)	Spring	3
	ENG 101	English Composition I	Fall, Spring, Summer	3
Semester 3** 6-7 credit hours	SPH 106 ***or*** SPH 107	Fundamentals of Oral Communication ***or*** Fundamentals of Public Speaking	Fall, Spring, Summer	3
	Area III	Math or Natural Science Elective	Fall, Spring, Summer	3-4
Semester 4 13 credit hours **Apple *App Development* *STC Achieved***	CIS 159	Introduction to Graphic Design for Apps (Recommended CST Elective)	Fall	3
	CIS 227	App Development with Swift II (Recommended CST Elective)	Fall	3
	CIS 281	Systems Analysis and Design (Recommended CST Elective)	Fall	3
	CIS 193D	Systems Analysis and Design Lab (Recommended CST Elective)	Fall	1
	Area IV	History or Social/Behavioral Science	Fall, Spring, Summer	3
Semester 5 14-16 credit hours ***Programming & App Development AAS Achieved***	CIS 207	Web Development	Spring	3
	CIS 249	Microcomputer Operating Systems	Spring	3
	CIS 255	Java Programming (Recommended CST Elective)	Spring	3
	CIS 193F	Java Programming Lab (Recommended CST Elective)	Spring	1
	CST Elective	Choose 1 Programming & App Development Elective	Fall, Spring	1-3
	Area II	Fine Arts or Humanities	Fall, Spring, Summer	3
			Total Hours	61-64

*Course(s) may be offered in additional semesters but are only assured to run in semester(s) indicated. It is ***highly*** recommended for course(s) to be completed in the semester(s) indicated.

Part-time students and full-time students desiring to begin the CST Programming & App Development program of study during a spring or summer semester should consult with an academic advisor to establish an alternate degree completion pathway.

**Students desiring not to enroll for a summer semester may complete one of the *Semester 3 Area I-V Requirements* during Semester 2 and the remaining *Semester 3 Area I-IV Requirements* during Semester 4.

Updated 8.17.2021

SHELTON STATE
COMMUNITY COLLEGE

Area II – Area IV Options

Area II

Humanities and Fine Arts

Art 100	Art Appreciation
ART 203	Art History I
ART 204	Art History II
ENG 251	American Literature I
ENG 252	American Literature II
ENG 261	English Literature I
ENG 262	English Literature II
ENG 271	World Literature I
ENG 272	World Literature I
HUM 298	Directed Studies in Humanities
MUS 101	Music Appreciation
PHL 206	Ethics and Society
REL 100	History of World Religions
REL 151	Survey of Old Testament
REL 152	Survey of New Testament
SPA 101	Introduction to Spanish I
SPA 102	Introduction to Spanish II
THR 120	Theatre Appreciation

Area III

Math or Natural Science

AST 220	Introduction to Astronomy
BIO 101 **or**	Introduction to Biology I **or**
BIO 103	Principles of Biology I
BIO 102 **or**	Introduction to Biology II **or**
BIO 104	Principles of Biology II
CHM 104 **or**	Introduction to Inorganic Chemistry **or**
CHM 111	College Chemistry I
CHM 105 **or**	Introduction to Organic Chemistry **or**
CHM 112	College Chemistry II
CHM 221	Organic Chemistry I
CHM 222	Organic Chemistry II
GEO 101	Principles of Physical Geography I
GEO 102	Principles of Physical Geography II
MTH 100	Intermediate College Algebra
MTH 110	Finite Mathematics
MTH 112	Precalculus Algebra
MTH 113	Precalculus Trigonometry
MTH 115	Precalculus Algebra & Trigonometry
MTH 120	Calculus and Its Applications
MTH 125	Calculus I
MTH 126	Calculus II
MTH 227	Calculus III
MTH 237	Linear Algebra
MTH 238	Applied Differential Equations I
MTH 265	Elementary Statistics
PHS 111	Physical Science I
PHS 112	Physical Science II
PHY 201	General Physics I -Trig Based
PHY 202	General Physics II-Trig Based
PHY 213	General Physics with Calculus I
PHY 214	General Physics with Calculus II

Area IV

History, Social, and Behavioral Sciences

ANT 200	Introduction to Anthropology
ANT 220	Cultural Anthropology
ECO 231	Principles of Macroeconomics
ECO 232	Principles of Microeconomics
GEO 100	World Regional Geography
HIS 101	Western Civilization I
HIS 102	Western Civilization II
HIS 201	United States History I
HIS 202	United States History II
POL 200	Introduction to Political Science
POL 211	American National Government
PSY 200	General Psychology
PSY 210	Human Growth & Development
SOC 200	Introduction to Sociology
SOC 210	Social Problems

Updated 8.17.2021