SHELTON STATE COMMUNITY COLLEGE

Air Conditioning & Refrigeration (ACR)
Associate in Applied Science
M.A.P.

Semester	Suggested Courses		Semester(s) Offered*	Credit Hrs.
Semester 1 17 credit hours	ACR 111	Principles of Refrigeration	Fall	3
	ACR 112	HVACR Service Procedures	Fall	3
	ACR 113	Refrigeration Piping Practices	Fall	3
	ACR 132	Residential Air Conditioning	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 15 credit hours	ACR 121	Principles of Electricity for HVACR	Spring	3
	ACR 122	HVACR Electric Circuits	Spring	3
	ACR 123	HVACR Electrical Components	Spring*	3
	ACR 147	Refrigeration Transition & Recovery (Recommended ACR Elective)	Spring	3
	ENG 101	English Composition I	Fall, Spring, Summer	3
Semester 3 12 credit hours	ACR 148	Heat Pumps I (Recommended ACR Elective)	Summer	3
	ACR 128	Heat Load Calculations (Recommended ACR Elective)	Summer	3
	ACR 205	System Sizing and Air Distribution (Recommended ACR Elective)	Summer	3
	SPH 106 *or* SPH 107	Fundamentals of Oral Communication *or* Fundamentals of Public Speaking	Fall, Spring, Summer	3
Semester 4 12 credit hours	ACR 210	Troubleshooting HVACR Systems (Recommended ACR Elective)	Fall	3
	ACR 135	Mechanical/Gas/Safety Codes (Recommended ACR Elective)	Fall	3
	ACR 138	Customer Relation in HVAC	Fall	3
	Area IV	History or Social/Behavioral Science	Fall, Spring, Summer	3
Semester 5 12-13 credit hours ***ACR Certificate Achieved***	ACR 125	Fund Gas and Elec Heating Systems (Recommended ACR Elective)	Spring	6
	Area II	Fine Arts or Humanities	Fall, Spring, Summer	3
	Area III	Math or Natural Science Elective	Fall, Spring, Summer	3-4
Semester 6 3-6 credit hours ***ACR AAS Degree Achieved***	ACR 149	Heat Pumps II (Recommended ACR Elective)	Summer	3
	ACR 192	HVAC Apprenticeship/Internship**	Summer	3
			Total Hours	71-75

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

**ACR 192 is recommended but not required. Students who have not secured a work-based learning opportunity by semester 5 should consult with an academic advisor prior to registration and develop an alternate semester 5 degree completion plan.

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

Area II – Area IV Options

Area II	Area III	Area IV

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