

DEGREE/CERTIFICATE PROGRAMS



GENERAL EDUCATION

General Education is that portion of the collegiate experience which addresses the knowledge, skills, attitudes, and values characteristic of an educated person. It is unbounded by disciplines and honors the connections among bodies of knowledge. A student who completes a Gadsden State educational program consisting of a long certificate or associate degree is expected to meet these competencies at the level appropriate to the credential. A student who completes a Gadsden State educational program consisting of a certificate is expected to meet General Education Core Competencies so they can communicate, both orally and in writing, perform basic computational skills, and use technology. The ultimate goal of the General Education Core Competencies is to produce associate degree graduates who are articulate, reflective, creative, intellectually flexible, and prepared for continuous learning. The College's General Education Core Competencies are:

1. Students will demonstrate the ability to communicate effectively in a style appropriate to the subject, occasion, and audience.

2. Students will demonstrate the ability to use appropriate mathematical tools in the solution of problems.
3. Students will demonstrate an understanding of arts and humanities.
4. Students will demonstrate the ability to understand, construct, and evaluate relationships in the natural sciences.
5. Students will demonstrate an understanding of how social and behavioral sciences discover, describe and explain the behaviors and interactions among individuals, groups, institutions, events, and ideas.
6. Students will demonstrate a functional knowledge and application of appropriate technology.

The degree and long certificate programs at the College support this collegiate initiative which focuses on the above narrative and attendant elements.

DEGREES AND CERTIFICATES

Gadsden State Community College offers programs leading to three degrees — Associate in Arts Degree, Associate in Science Degree and Associate in Applied Science Degree.

Two certificates — the Certificate and the Short-term Certificate — are also offered.

Associate in Arts Degree or Associate in Science Degree

The requirements for the Associate in Arts (A.A.) degree and for the Associate in Science (A.S.) degree, are designed for students planning to transfer to a senior institution to complete a program of study in the liberal arts area, in the sciences, or in a specialized pre-professional field.

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AREA OF COURSEWORK	SEMESTER HOURS
AREA I: Written Composition I and II	6
AREA II: Humanities and Fine Arts <ul style="list-style-type: none"> • Must complete a minimum of 3 semester hours in Literature* • Must complete 3 semester hours in the Fine Arts • Must complete 6 additional semester hours in Humanities/Fine Arts • Must complete a two-course sequence in either Literature OR History 	12

AREA OF COURSEWORK	SEMESTER HOURS
AREA III: Natural Sciences and Mathematics <ul style="list-style-type: none"> Must complete 3 semester hours in Mathematics at the precalculus, algebra or finite math level Must complete 8 semester hours in the Natural Sciences, which must include laboratory experiences. In addition to mathematics, disciplines in the natural sciences include the following: astronomy, biological sciences, chemistry, geology, physical geography, earth science, physics and physical sciences 	11
AREA IV: History, Social and Behavioral Sciences <ul style="list-style-type: none"> Must complete a minimum of 3 semester hours in History* Must complete at least 6 semester hours from among other disciplines in the Social and Behavioral Sciences. Social and Behavioral Sciences include, but are not limited to, the following: anthropology, economics, geography, political science, psychology and sociology Must complete a two-course sequence in either Literature OR History 	12
AREA V: Pre-Professional, Pre-Major and Elective Courses <ul style="list-style-type: none"> Course appropriate to the degree requirements and major of the individual student. Students completing courses that have been approved for the General Studies Curriculum and are appropriate to their majors and/or degree programs may transfer these courses with credit applicable to their degree programs among the Alabama public two-year and four-year colleges and universities. 	19-23
TOTAL SEMESTER CREDIT HOURS	60 - 64

***NOTICE:** The sequence in Area II and IV in literature or history needs to follow the sequence requirements according to the student's major and transfer plans. These requirements are outlined in the "Programs of Study" section of this catalog, for a total of 60-64 semester hours, or 50% of the total required by the college or university to which the student plans to transfer.

Associate in Applied Science Degree

The requirements for the Associate in Applied Science (A.A.S.) degree are designed for students planning to specialize in technical, business, semi-professional, and supervi-

sory fields that are career-oriented. Portions of this degree may, in selected fields, transfer to a senior institution.

AREA OF COURSEWORK	SEMESTER HOURS
AREA I: Written Composition I and II	3-6
AREA II: Humanities and Fine Arts <ul style="list-style-type: none"> Areas I and II must include a minimum of 6 semester hours Must complete 3 semester hours in Humanities or Fine Arts 	3-6
AREA III: Natural Sciences and Mathematics <ul style="list-style-type: none"> Must complete a minimum of 3 semester hours in Math (100 level or numerically higher) In addition to Math, disciplines in the Nature Sciences include astronomy, biology, chemistry, physics and physical science. 	6-11

AREA OF COURSEWORK	SEMESTER HOURS
AREA IV: History, Social and Behavioral Sciences <ul style="list-style-type: none"> In addition to History, the Social and Behavioral Sciences include the following: anthropology, economics, geography, political science, psychology and sociology. Any student seeking the AAS as a terminal award is <u>not</u> required to complete more than three semester hours in this area. 	3-6
AREA V: Maximum General Education Core, Technical Concentration and Electives <ul style="list-style-type: none"> In addition to the courses in the preceding four areas, the student must take whatever core and /or elective courses that are appropriate to the requirements for the degree or for the occupational or technical specialty that the student is pursuing. 	31-61
TOTAL SEMESTER CREDIT HOURS	60 - 76

If the student is planning a program of study for which the A.A.S. degree does not represent the terminal degree and for which national or regional programmatic licensure and certification are required, the student should try to integrate General Studies transfer courses into his/her program whenever possible.

Certificate

The certificate is designed for students seeking a specialized set of skills for employment or professional advancement.

AREA OF COURSEWORK	SEMESTER HOURS
AREA I: Written Composition <ul style="list-style-type: none"> ENG 100 may be substituted for English Composition I and II only in system-wide non-degree eligible programs 	3-6
AREA II: Humanities and Fine Arts	0-6
AREA III: Natural Sciences and Mathematics <ul style="list-style-type: none"> A minimum of one mathematics course which may have a discipline specific prefix other than MAH or MTH or the integration of mathematics proficiencies within a required discipline-specific course(s). Mathematics may be substituted only in system wide, non-degree eligible programs. 	3-7
AREA IV: Social and Behavioral Sciences and History	0
AREA V: Maximum General Education Core, Technical Concentration and Electives* <ul style="list-style-type: none"> In addition to the courses referred to in the preceding four areas, the student must take those courses appropriate to the certificate requirements and to the occupational or technical specialty requirements, as well as core courses and elective courses. 	11-54
TOTAL SEMESTER CREDIT HOURS	30 -60

Short-term Certificate

The short-term certificate is designed to equip the student with a focused set of skills for an entry-level position in business or industry.

AREA OF COURSEWORK	SEMESTER HOURS
AREA I: Written Composition <ul style="list-style-type: none"> It is recommended that the student take at least one technical writing course 	0-3
AREA II: Humanities and Fine Arts	0
AREA III: Natural Sciences and Mathematics	0-3
AREA IV: Social and Behavioral Sciences and History	0
AREA V: Maximum General Education Core, Technical Concentration and Electives* <ul style="list-style-type: none"> In addition to the courses referred to in the preceding four areas, the student must take those courses appropriate to the certificate requirements and to the occupational or technical specialty requirements, as well as core courses and elective courses. 	9-29
TOTAL SEMESTER CREDIT HOURS	9 - 29

NOTICE: For certificates with 6 hours of general education credits, the minimum total credit hours will be 15 credit hours.

CORE CURRICULUM

Alabama Articulation Program (STARS)

Because GSCC is in partnership with the Statewide Articulation and General Studies Agreement, students are assured that credit earned for Gadsden State courses identified as part of the core curriculum will transfer to any Alabama two- or four-year public institution of higher education.

The Alabama Articulation Program (also called STARS for Statewide Transfer and Articulation Reporting System) is Alabama's web-accessible articulation and transfer planning database, which has been designed to inform students who attend Alabama community colleges about degree requirements, course equivalents, and other transfer information pertaining to specific majors at each state-funded four-year institution. As the information link between Alabama's public two-year and four-year institutions, STARS efficiently and effectively provides students, counselors, and educators with accurate information upon which transfer decisions can be made. The STARS system, if used properly, can prevent the loss of course credit hours, provide direction for the scheduling of coursework, and ease the student's transition from one institution to another.

This information is available to the public via the Internet. A variety of information, including an AGSC-approved transfer guide, may be obtained from the STARS website: <http://stars.troy.edu>.

General Education or Core Course Listing

The following lists contain the core curriculum, a set of courses identified by the Alabama Articulation Program as acceptable for transfer to the public colleges and universities in Alabama and that Gadsden State offers to fulfill the general education requirements for degree and certificate programs. Courses not listed in the core may satisfy graduation requirements at Gadsden State, and also may be accepted for transfer to other colleges. Students should consult an advisor for additional information.

As a requirement of the General Education core competencies described previously, students seeking the A.A., A.S., or A.A.S. Degree are required to complete a minimum of 15 semester hours of course work with at least one course from each of the following: pure humanities/fine arts, social/behavioral sciences, and natural sciences/mathematics.

PROGRAMS OF STUDY

The Academic and Technical divisions of GSCC offer programs leading to degrees and certificates. The Academic Division also prepares students planning to transfer to four-year institutions in quest of baccalaureate degrees in areas of study for which Gadsden State does not grant degrees. The College has designated at least one instructor to serve as advisor for each degree or certificate program, at least one advisor for each area of study in which Gadsden State offers courses but does not offer a degree, and at least one advisor for those students who have yet to select a degree or a certificate program. Advisor information appears under each program of study. Students should consider the following notices while planning courses within the selected program of study:

- The statements in this catalog and student handbook are informational only; they are **NOT** the basis of a contract between the student and the College. Although Gadsden State will try to do what this book says that it will do and will make every effort to let the student know about any changes, the College has the right to change any such provision without notifying the student individually. If it becomes necessary for Gadsden State

to eliminate a program, the College may substitute a limited number of courses in order for the student to complete that program.

- Because program requirements at one four-year college or university often differ from those at another, a student who intends to pursue a four-year degree should refer to the requirements of the transfer institution to ensure that the courses taken at Gadsden State are applicable toward the degree sought.
- Gadsden State may grant, but is NOT required to do so, up to twenty (20) semester hours of credit to a student in a technical program for prior study-related work and/or educational experiences. Such credit is posted to the student's transcript at the time that approved paperwork is submitted from the Office of the Dean of Technical Education and Workforce Development.

ACCOUNTING TECHNOLOGY A.A.S.

Advisors - Ayers Campus: John R. Sudduth IV (256.835.5415) jsudduth@gadsdenstate.edu

Wallace Drive Campus: Jamie Payton (256.549.8347) jpayton@gadsdenstate.edu

STUDENT PROGRESS

	<u>Grade</u>	<u>Term Completed</u>
Area I – Written Composition: 6		
• ENG 101 - English Composition I 3	_____	_____
• ENG 102 - English Composition II 3	_____	_____
Area II - Humanities and Fine Arts: 3		
• Humanities/Fine Arts* 3	_____	_____
Area III – Natural Sciences and Mathematics: 7		
• MTH 100 - Intermediate College Algebra OR MTH 112 - Precalculus Algebra OR Higher level Math 3	_____	_____
• Natural Science and Lab 4	_____	_____
Area IV – History, Social and Behavioral Sciences: 3		
• ECO 231 - Principles of Macroeconomics 3	_____	_____
Area V – Pre-Professional, Pre-Major and Electives: 49		
• ACT 246 - Microcomputer Accounting..... 3	_____	_____
• ACT 247 - Advanced Accounting Applications on the Microcomputer..... 3	_____	_____
• ACT 249 - Payroll Accounting..... 3	_____	_____
• ACT 253 - Individual Income Tax..... 3	_____	_____
• ACT 256 - Cost Accounting 3	_____	_____
• BUS 100 - Introduction to Business..... 3	_____	_____
• BUS 146 - Personal Finance 3	_____	_____
• BUS 241 - Principles of Accounting I 3	_____	_____
• BUS 242 - Principles of Accounting II 3	_____	_____
• BUS 263 - The Legal and Social Environment of Business..... 3	_____	_____
• BUS 276 - Human Resource Management..... 3	_____	_____
• CIS 146 - Microcomputer Applications..... 3	_____	_____
• CIS 147 - Advanced Micro Applications 3	_____	_____
• OAD 130 - Electronic Calculations 3	_____	_____
• OAD 138 - Records and Information Management..... 3	_____	_____
• ORI 101 - Orientation to College 1	_____	_____
• SPH 106 - Fundamentals of Oral Communication..... 3	_____	_____
Total Hours Required for Degree: 68		

***Note:** Humanities and Fine Arts disciplines include but are not limited to the following: Literature, Ethnic Studies, Art and Art History, Foreign Language Literature, Music and Music History, Philosophy, Ethics, Religious Studies, Theater, and Dance.

SAMPLE SEMESTER PLAN

ACCOUNTING TECHNOLOGY A.A.S.**Advisors - Ayers Campus**John R. Sudduth IV (256.835.5415) jsudduth@gadsdenstate.edu**Advisors - East Broad Campus**Jamie Payton (256.549.8347) jpayton@gadsdenstate.edu

FALL SEMESTER		SPRING SEMESTER	
<u>Course</u>	<u>Credit Hours</u>	<u>Course</u>	<u>Credit Hours</u>
BUS 241: Principles of Accounting I	3	BUS 242: Principles of Accounting II	3
CIS 146: Microcomputer Applications	3	CIS 147: Advanced Micro Applications	3
ENG 101: English Composition I	3	ENG 102: English Composition II	3
MTH 100: Intermediate College Algebra		*Humanities/Fine Arts: _____	3
-OR-		OAD 138: Records and Information Management	3
MTH 112: Precalculus Algebra	3		
ORI 101: Orientation to College	1		
Total Semester Hours	13	Total Semester Hours	15
SUMMER SEMESTER		FALL SEMESTER	
<u>Course</u>	<u>Credit Hours</u>	<u>Course</u>	<u>Credit Hours</u>
ACT 246: Microcomputer Accounting	3	ACT 247: Advanced Accounting Applications on the Microcomputer	3
ACT 256: Cost Accounting	3	BUS 146: Personal Finance	3
BUS 100: Introduction to Business	3	BUS 263: The Legal and Social Environment of Business	3
OAD 130: Electronic Calculations	3	ECO 231: Principles of Macroeconomics	3
		SPH 106: Fundamentals of Oral Communication	3
Total Semester Hours	12	Total Semester Hours	15
SPRING SEMESTER			
<u>Course</u>	<u>Credit Hours</u>		
ACT 249: Payroll Accounting	3		
ACT 253: Individual Income Tax	3		
BUS 276: Human Resource Management	3		
Natural Science w/lab: _____	4		
Total Semester Hours	13		

Total hours required for degree: 68

***Note:** Humanities and Fine Arts disciplines include but are not limited to the following: Literature, Ethnic Studies, Art and Art History, Foreign Language Literature, Music and Music History, Philosophy, Ethics, Religious Studies, Theater, and Dance.

Course offerings may vary by campus each semester; please see your advisor to register for classes.

ACCOUNTING SPECIALIST (COMPUTERIZED) SHORT-TERM CERTIFICATE

Advisors – Ayers Campus: John R. Sudduth IV (256.835.5415) jsudduth@gadsdenstate.edu

East Broad Campus: Jamie Payton (256.549.8347) jpayton@gadsdenstate.edu

STUDENT PROGRESS

Grade Term Completed

Area V—Professional, Major and Elective Courses:.....25

• ACT 246 - Microcomputer Accounting.....3	_____	_____
• ACT 247 - Advanced Accounting Applications on the Microcomputer.....3	_____	_____
• ACT 249 - Payroll Accounting.....3	_____	_____
• ACT 253 - Individual Income Tax.....3	_____	_____
• BUS 241 - Principles of Accounting I.....3	_____	_____
• CIS 146 - Microcomputer Applications.....3	_____	_____
• CIS 147 - Advanced Micro Applications.....3	_____	_____
• OAD 130 - Electronic Calculations.....3	_____	_____
• ORI 101 - Orientation to College.....1	_____	_____

Total Hours Required for Certificate:.....25

This program is a Gainful Employment Program. Information on the graduation rate, award type, and average loan debt, number of students borrowing money, and the cost and length of this program can be found at: <http://www.gadsdenstate.edu/sites/default/files/u21/52.0302-Accounting%20Specialist.pdf>.

SAMPLE SEMESTER PLAN

ACCOUNTING SPECIALIST (COMPUTERIZED) SHORT-TERM CERTIFICATE

Advisors - Ayers CampusJohn R. Sudduth IV (256.835.5415) jsudduth@gadsdenstate.edu**Wallace Drive Campus**Jamie Payton (256.549.8347) jpayton@gadsdenstate.edu

FIRST SEMESTER		SECOND SEMESTER	
<u>Course</u>	<u>Credit Hours</u>	<u>Course</u>	<u>Credit Hours</u>
ACT 249: Payroll Accounting	3	ACT 246: Microcomputer Applications	
ACT 253: Individual Income Tax	3	-OR-	
BUS 241: Principles of Accounting I	3	ACT 247: Advanced Accounting Appli-	
CIS 146: Microcomputer Applications	3	cations on the Microcomputer	3
ORI 101: Orientation to College	1	CIS 147: Advanced Micro Applications	3
		OAD 130: Electronic Calculations	3
Total Semester Hours	13	Total Semester Hours	9
THIRD SEMESTER			
<u>Course</u>	<u>Credit Hours</u>		
ACT 246: Microcomputer Applications			
-OR-			
ACT 247: Advanced Accounting Appli-			
cations on the Microcomputer	3		
Total Semester Hours	3		
Total hours required for short-term certificate: 25			
Course offerings may vary by campus each semester; please see your advisor to register for classes.			

AIR CONDITIONING AND REFRIGERATION A.A.S.

Advisors – Ayers Campus: Joseph Hulsey, Air Conditioning Refrigeration Building (256.835.5418)

jhulsey@gadsdenstate.edu;

Valley Street Campus: Tim Hardy, Air Conditioning Refrigeration Building (256.549.8662) thardy@gadsdenstate.edu

STUDENT PROGRESS

	<u>Grade</u>	<u>Term Completed</u>
Area I — Written Composition: 3		
• ENG 101 - English Composition I..... 3	_____	_____
Area II — Humanities and Fine Arts: 3		
• Humanities/Fine Arts* 3	_____	_____
Area III — Natural Science or Mathematics: 6		
• INT 104 - Principles of Technology..... 3	_____	_____
• MTH 100 - Intermediate College Algebra OR numerically higher 3	_____	_____
Area IV — History, Social and Behavioral Sciences: 3		
• Economics, Geography, History, Political Science, Psychology, or Sociology 3	_____	_____
Area V - Technical Courses: 22		
Courses listed below are required.		
• ACR 111 - Principles of Refrigeration..... 3	_____	_____
• ACR 112 - HVACR Service Procedures..... 3	_____	_____
• ACR 113 - Refrigeration Piping Practices 3	_____	_____
• ACR 121 - Principles of Electricity for HVACR 3	_____	_____
• ACR 122 - HVACR Electric Circuits..... 3	_____	_____
• ACR 123 - HVAC/R Electrical Components..... 3	_____	_____
• EET 100 - Introduction to Engineering Technologies 3	_____	_____
• ORI 101 - Orientation to College..... 1	_____	_____
Additional Coursework: 39		
• ACR 119 - Fundamentals of Gas Heating Systems 3	_____	_____
• ACR 120 - Fundamentals of Electric Heating Systems 3	_____	_____
• ACR 125 – Fundamentals of Gas and Electrical Heating Systems 6	_____	_____
• ACR 126 - Commercial Heating Systems..... 3	_____	_____
• ACR 127 - HVACR Electric Motors..... 3	_____	_____
• ACR 128 - Heat Load Calculations 3	_____	_____
• ACR 130 - Computer Assisted HVAC Troubleshooting 1	_____	_____

AIR CONDITIONING AND REFRIGERATION A.A.S. continued

STUDENT PROGRESS

	<u>Grade</u>	<u>Term Completed</u>
• ACR 132 - Residential Air Conditioning3	_____	_____
• ACR 133 - Domestic Refrigeration.....3	_____	_____
• ACR 134 - Ice Machines.....3	_____	_____
• ACR 135 - Mechanical/Gas/Safety Codes.....3	_____	_____
• ACR 138 - Customer Relation in HVAC.....3	_____	_____
• ACR 144 - Basic Drawing and Blueprint Reading in HVAC.....3	_____	_____
• ACR 147 - Refrigerant Transition and Recovery Theory3	_____	_____
• ACR 148 - Heat Pump Systems I.....3	_____	_____
• ACR 149 - Heat Pump Systems II.....3	_____	_____
• ACR 152 – Heat Pump Systems6	_____	_____
• ACR 181 - Special Topics in ACR I3	_____	_____
• ACR 182 - Special Topics in ACR II3	_____	_____
• ACR 183 - Special Topics in ACR1	_____	_____
• ACR 184 - Special Topics in ACR1	_____	_____
• ACR 185 - Special Topics in ACR2	_____	_____
• ACR 186 - Special Topics in ACR2	_____	_____
• ACR 192 - HVAC Apprenticeship/Internship3	_____	_____
• ACR 193 - Co-Op.....1	_____	_____
• ACR 194 - Co-Op.....2	_____	_____
• ACR 195 - Co-Op.....3	_____	_____
• ACR 200 - Review for Contractors Exam3	_____	_____
• ACR 202 - Special Refrigeration Systems3	_____	_____
• ACR 203 - Commercial Refrigeration.....3	_____	_____
• ACR 205 - System Sizing and Air Distribution.....3	_____	_____
• ACR 209 - Commercial Air Conditioning Systems.....3	_____	_____
• ACR 210 - Troubleshooting HVACR Systems3	_____	_____
• CIS 146 - Microcomputer Applications.....3	_____	_____
• MDT 105 - Introduction to Computer-Aided Design (CAD) OR DDT 104 –Basic Computer-Aided Drafting and Design3	_____	_____
• EET 103 - DC Fundamentals OR INT 101 - DC Fundamentals.....3	_____	_____
• EET 104 - AC Fundamentals OR INT 103 - AC Fundamentals.....3	_____	_____
• SPH 106 - Fundamentals of Oral Communication3	_____	_____

Total Hours Required for Degree: 76

NOTICE(s): For the A.A.S. Degree in Air Conditioning and Refrigeration, the student must complete a minimum of 76 credit hours – a minimum of 61 in technical courses and a minimum of 15 in general education courses – all of which must be approved by the advisor. A maximum of 9 credit hours of technical electives may be selected from any approved area of Engineering Technology programs with prior written approval from the student's major advisor. Technical courses may vary to meet student needs and to provide options. Admission Requirement: High school diploma or GED.

***Note:** Humanities and Fine Arts disciplines include but are not limited to the following: Literature, Ethnic Studies, Art and Art History, Foreign Language Literature, Music and Music History, Philosophy, Ethics, Religious Studies, Theater, and Dance.

SAMPLE SEMESTER PLAN

AIR CONDITIONING AND REFRIGERATION A.A.S.**Advisors – Ayers Campus**Joseph Hulsey, Air Conditioning Refrigeration Building (256.835.5418) jhulsey@gadsdenstate.edu**Valley Street Campus**Tim Hardy, Air Conditioning Refrigeration Building (256.549.8662) thardy@gadsdenstate.edu

FIRST SEMESTER		SECOND SEMESTER	
<u>Course</u>	<u>Credit Hours</u>	<u>Course</u>	<u>Credit Hours</u>
ACR 111: Principles of Refrigeration	3	ACR 121: Principles of Electricity for HVACR	3
ACR 112: HVACR Service Procedures	3	ACR 122: HVACR Electric Circuits	3
ACR 113: Refrigeration Piping Practices	3	ACR 123: HVAC/R Electrical Components	3
Economics, Geography, History, Political Science, or Sociology:_____	3	EET 100: Introduction to Engineering Technologies	3
*Humanities/Fine Art Elective:_____	3	ENG 101: English Composition I	3
ORI 101: Orientation to College	1		
Total Semester Hours	16	Total Semester Hours	15
THIRD SEMESTER		FOURTH SEMESTER	
<u>Course</u>	<u>Credit Hours</u>	<u>Course</u>	<u>Credit Hours</u>
ACR Elective:_____	3	ACR 119: Fundamentals of Gas Heating Systems	3
ACR Elective:_____	3	ACR 120: Fundamentals of Electric Heating Systems	3
ACR Elective:_____	3	ACR 148: Heat Pump Systems I	3
ACR Elective:_____	3	ACR Elective:_____	3
MTH 100: Intermediate College Algebra or numerically higher	3	INT 104: Principles of Technology	3
Total Semester Hours	15	Total Semester Hours	15
FIFTH SEMESTER			
<u>Course</u>	<u>Credit Hours</u>		
ACR 128: Heat Load Calculations	3		
ACR 135: Mechanical/Gas/Safety Codes	3		
ACR 200: Review for Contractors Exam	3		
ACR Elective:_____	3		
ACR Elective:_____	3		
Total Semester Hours	15		
Total hours required for degree: 76			
NOTICE(s): For the A.A.S. Degree in Air Conditioning and Refrigeration, the student must complete a minimum of 76 credit hours – a minimum of 61 in technical courses and a minimum of 15 in general education courses – all of which must be approved by the advisor. A maximum of 9 credit hours of technical electives may be selected from any approved area of Engineering Technology programs with prior written approval from the student’s major advisor. Technical courses may vary to meet student needs and to provide options. Admission Requirement: High school diploma or GED.			
*Note: Humanities and Fine Arts disciplines include but are not limited to the following: Literature, Ethnic Studies, Art and Art History, Foreign Language Literature, Music and Music History, Philosophy, Ethics, Religious Studies, Theater, and Dance.			
Course offerings may vary by campus each semester; please see your advisor to register for classes.			

AIR CONDITIONING AND REFRIGERATION CERTIFICATE

Advisors – Ayers Campus: Joseph Hulsey, Air Conditioning Refrigeration Building (256.835.5418)

jhulsey@gadsdenstate.edu;

Valley Street Campus: Tim Hardy, Air Conditioning Refrigeration Building (256.549.8662) thardy@gadsdenstate.edu

STUDENT PROGRESS		
	Grade	Term Completed
Area I — Written Composition: 3		
• ENG 101 - English Composition I3	_____	_____
Area II — Humanities and Fine Arts: 0		
Area III — Natural Science or Mathematics:..... 3		
• MTH 100 - Intermediate College Algebra OR numerically higher3	_____	_____
Area IV — History, Social and Behavioral Sciences: 0		
Area V — Technical Courses: 40		
• * ACR 111 - Principles of Refrigeration3	_____	_____
• * ACR 112 - HVACR Service Procedures3	_____	_____
• * ACR 113 - Refrigeration Piping Practices3	_____	_____
• ACR 119 - Fundamentals of Gas Heating Systems3	_____	_____
• ACR 120 - Fundamentals of Electric Heating Systems3	_____	_____
• * ACR 121 - Principles of Electricity for HVACR3	_____	_____
• * ACR 122 - HVACR Electric Circuits3	_____	_____
• * ACR 123 - HVAC/R Electrical Components3	_____	_____
• ACR 132 - Residential Air Conditioning3	_____	_____
• ACR 148 - Heat Pump Systems I3	_____	_____
• ACR 193 - Co-Op.....1	_____	_____
• ACR 194 - Co-Op.....2	_____	_____
• ACR 195 - Co-Op.....3	_____	_____
• ACR 202 - Special Refrigeration.....3	_____	_____
• ACR 209 - Commercial Air Conditioning Systems.....3	_____	_____
• ACR 210 - Troubleshooting HVACR Systems3	_____	_____
• CIS 146 - Microcomputer Applications3	_____	_____
• MDT 105 - Introduction to Computer-Aided Design (CAD) OR DDT 104 –Basic Computer-Aided Drafting and Design3	_____	_____
• * ORI 101 - Orientation to College1	_____	_____
• SPH 106 - Fundamentals of Oral Communication3	_____	_____
*Required courses		

Total Hours Required for Certificate:.....46

NOTICE(s): For the certificate in Air Conditioning and Refrigeration, the student must complete a minimum of 46 credit hours – 40 hours in technical courses and 6 hours in general education courses— all of which must be approved by the advisor. Required courses may vary to provide options and to meet student needs.

Admission Requirement: High school diploma or GED.

SAMPLE SEMESTER PLAN

AIR CONDITIONING AND REFRIGERATION CERTIFICATE**Advisors – Ayers Campus**Joseph Hulsey, Air Conditioning Refrigeration Building (256.835.5418) jhulsey@gadsdenstate.edu**Valley Street Campus**Tim Hardy, Air Conditioning Refrigeration Building (256.549.8662) thardy@gadsdenstate.edu

FIRST SEMESTER		SECOND SEMESTER	
<u>Course</u>	<u>Credit Hours</u>	<u>Course</u>	<u>Credit Hours</u>
ACR 111: Principles of Refrigeration	3	ACR 121: Principles of Electricity for HVACR	3
ACR 112: HVACR Service Procedures	3	ACR 122: HVACR Electric Circuits	3
ACR 113: Refrigeration Piping Practices	3	ACR 123: HVAC/R Electrical Components	3
ENG 101: English Composition I	3	MTH 100: Intermediate College Algebra	3
ORI 101: Orientation to College	1	or numerically higher MTH	
Total Semester Hours	13	Total Semester Hours	12
THIRD SEMESTER		FOURTH SEMESTER	
<u>Course</u>	<u>Credit Hours</u>	<u>Course</u>	<u>Credit Hours</u>
ACR 132: Residential Air Conditioning	3	ACR 119: Fundamentals of Gas Heating Systems	3
ACR 202: Special Refrigeration	3	ACR 120: Fundamentals of Electric Heating Systems	3
ACR 209: Commercial Air Conditioning Systems	3	ACR 148: Heat Pump Systems I	3
ACR 210: Troubleshooting HVACR System	3		
Total Semester Hours	12	Total Semester Hours	9
Total hours required for certificate: 46			
NOTICE(s): For the certificate in Air Conditioning and Refrigeration, the student must complete a minimum of 46 credit hours – 40 hours in technical courses and 6 hours in general education courses— all of which must be approved by the advisor. Required courses may vary to provide options and to meet student needs. Admission Requirement: High school diploma or GED.			
Course offerings may vary by campus each semester; please see your advisor to register for classes.			

AIR CONDITIONING AND REFRIGERATION SHORT-TERM CERTIFICATE

Advisors – Ayers Campus: Joseph Hulsey, Air Conditioning Refrigeration Building (256.835.5418) jhulsey@gadsdenstate.edu

Valley Street Campus: Tim Hardy, Air Conditioning Refrigeration Building (256.549.8662) thardy@gadsdenstate.edu

STUDENT PROGRESS

	<u>Grade</u>	<u>Term Completed</u>
Required Courses		
• ACR 111 - Principles of Refrigeration.....3	_____	_____
• ACR 112 - HVACR Service Procedures.....3	_____	_____
• ACR 113 - Refrigeration Piping Practices.....3	_____	_____
• ACR 119 - Fundamentals of Gas Heating Systems.....3	_____	_____
• ACR 120 - Fundamentals of Electric Heating Systems.....3	_____	_____
• ACR 121 - Principles of Electricity for HVACR.....3	_____	_____
• ACR 122 - HVACR Electric Circuits.....3	_____	_____
• ACR 123 - HVAC/R Electrical Components.....3	_____	_____
• ACR 148 - Heat Pump Systems I.....3	_____	_____
• ORI 101 - Orientation to College.....1	_____	_____
Total Hours Required for Certificate:.....28		

NOTICE(s): For the short-term certificate in Air Conditioning and Refrigeration, the student must complete all courses listed above - all of which must be approved by the advisor. Admission Requirement: High school diploma or GED.

SAMPLE SEMESTER PLAN

AIR CONDITIONING AND REFRIGERATION SHORT-TERM CERTIFICATE

Advisors – Ayers CampusJoseph Hulsey, Air Conditioning Refrigeration Building (256.835.5418) jhulsey@gadsdenstate.edu**Valley Street Campus**Tim Hardy, Air Conditioning Refrigeration Building (256.549.8662) thardy@gadsdenstate.edu

FIRST SEMESTER		SECOND SEMESTER	
Course	Credit Hours	Course	Credit Hours
ACR 111: Principles of Refrigeration	3	ACR 121: Principles of Electricity for HVACR	3
ACR 112: HVACR Service Procedures	3	ACR 122: HVACR Electric Circuits	3
ACR 113: Refrigeration Piping Practices	3	ACR 123: HVAC/R Electrical Components	3
ACR 119: Fundamentals of Gas Heating Systems	3	ORI 101: Orientation to College	1
ACR 120: Fundamentals of Electric Heating Systems	3		
ACR 148: Heat Pump Systems I	3		
Total Semester Hours	18	Total Semester Hours	10
Total hours required for short-term certificate: 28			
NOTICE(s): For the short-term certificate in Air Conditioning and Refrigeration, the student must complete all courses listed above - all of which must be approved by the advisor. Admission Requirement: High school diploma or GED.			
Course offerings may vary by campus each semester; please see your advisor to register for classes.			

AUTO COLLISION REPAIR TECHNOLOGY CERTIFICATE

Advisors – Ayers Campus: Brandon Patterson, Auto Collision Repair Building (256.835.5425)

bpatterson@gadsdenstate.edu;

East Broad Campus: Bruce Hill, Auto Collision Repair Building (256.549.8617) bhill@gadsdenstate.edu

STUDENT PROGRESS

	<u>Grade</u>	<u>Term Completed</u>
Area I—Written Composition:3		
• ENG 100 - Vocational Technical English I OR		
ENG 101 - English Composition.....3	_____	_____
Area II—Humanities and Fine Arts:0		
Area III—Natural Science or Mathematics:3		
• MAH 101 - Introductory Mathematics OR		
MTH 100 - Intermediate College Algebra or		
numerically higher OR		
ABR 100 - Introduction to Applied Technologies 3	_____	_____
Area IV—History, Social and Behavioral Sciences:0		
Area V—Technical Courses:54		
• ABR 111 - Non-Structural Repair 3	_____	_____
• ABR 114 - Non-Structural Panel Replacement 3	_____	_____
• ABR 122 - Surface Preparation 3	_____	_____
• ABR 123 - Paint Application and Equipment 3	_____	_____
• * ABR 151 - Safety and Environmental Practice 3	_____	_____
• ABR 154 - Automotive Glass and Trim..... 3	_____	_____
• ABR 156 - Automotive Cutting and Welding 3	_____	_____
• ABR 157 - Automotive Plastic Repair 3	_____	_____
• ABR 181 - Special Topics in Auto Body 3	_____	_____
• ABR 182 - Special Topics in Auto Body OR 3	_____	_____
ABR 183 - Special Topics in Auto Body 2	_____	_____
• ABR 213 - Automotive Structural Analysis 3	_____	_____
• ABR 214 - Automotive Structural Repair 3	_____	_____
• ABR 223 - Automotive Mechanical Component 3	_____	_____
• ABR 224 - Automotive Electrical Component 3	_____	_____
• ABR 255 - Steering and Suspension 3	_____	_____
• ABR 258 - Heating and AC in Collision Repair 3	_____	_____
• ABR 261 - Restraint System 3	_____	_____
• ABR 265 - Paint Defects and Final Repair 3	_____	_____
• ABR 267 - Shop Management..... 3	_____	_____

AUTO COLLISION REPAIR TECHNOLOGY CERTIFICATE

continued

STUDENT PROGRESS

	<u>Grade</u>	<u>Term Completed</u>
• ABR 269 - Estimating and Damage Analysis.3	_____	_____
• ABR 281 - Special Topics in Auto Body3	_____	_____
• ABR 291 - Auto Body Repair Co-Op OR ABR 292 - Auto Body Repair Co-Op OR ABR 293 – Auto Body Repair Co-Op1-3	_____	_____
• DPT 100 - Introductory Computer Skills OR CIS 146 - Microcomputer Application3	_____	_____
• * ORT 100 - Orientation for Career Student1	_____	_____
• SPC 103 - Oral Communication Skill OR SPH 106 - Fundamentals of Oral Communication OR3	_____	_____
*Required Courses		

Total Hours Required for Certificate: 60

NOTICE(s): For the certificate in Auto Collision Repair Technology, the student must complete a minimum of 60 credit hours – 54 in technical courses and 6 in general education courses – all of which must be approved by the advisor. Required courses may vary to provide options and to meet student needs. Courses will be selected from those listed above. Admission Requirement: The student must be age 17 or older.

This program is a Gainful Employment Program. Information on the graduation rate, award type, average loan debt, number of students borrowing money, and the cost and length of this program can be found at: <http://www.gadsdenstate.edu/sites/default/files/u21/47.0603-Auto%20Collision%20Repair%20Certificate.pdf>.

SAMPLE SEMESTER PLAN

AUTO COLLISION REPAIR TECHNOLOGY CERTIFICATE**Advisors – Ayers Campus**Brandon Patterson, Auto Collision Repair Building (256.835.5425) bpatterson@gadsdenstate.edu**East Broad Campus**Bruce Hill, Auto Collision Repair Building (256.549.8617) bhill@gadsdenstate.edu

FIRST SEMESTER		SECOND SEMESTER	
<u>Course</u>	<u>Credit Hours</u>	<u>Course</u>	<u>Credit Hours</u>
ABR 151: Safety and Environmental Practice	3	ABR 223: Automotive Mechanical Component	3
ABR 156: Automotive Cutting and Welding	3	ABR 224: Automotive Electrical Component	3
ABR 182: Special Topics in Auto Body	3	ABR 255: Steering and Suspension	3
ABR 213: Automotive Structural Analysis	3	ABR 258: Heating and AC in Collision Repair	3
ABR 214: Automotive Structural Repair	3	ENG 100: Vocational Technical English I	3
ORT 100: Orientation for Career Students	1		
Total Semester Hours	16	Total Semester Hours	15
THIRD SEMESTER		FOURTH SEMESTER	
<u>Course</u>	<u>Credit Hours</u>	<u>Course</u>	<u>Credit Hours</u>
ABR 111: Non-Structural Repair	3	ABR 122: Surface Preparation	3
ABR 114: Non-Structural Panel Replacement	3	ABR 123: Paint Application and Equipment	3
ABR 154: Automotive Glass and Trim	3	ABR 265: Paint Defects and Final Repair	3
ABR 157: Automotive Plastic Repairs	3	ABR 267: Shop Management	3
ABR 183: Special Topics in Auto Body	2	MAH 101: Introductory Mathematics	
		-OR-	
		MTH 100: Intermediate College Algebra or numerically higher	
		-OR-	
		ABR 100: Introduction to Applied Technologies	3
Total Semester Hours	14	Total Semester Hours	15
Total hours required for certificate: 60			
NOTICE(s): For the certificate in Auto Collision Repair Technology, the student must complete a minimum of 60 credit hours – 54 in technical courses and 6 in general education courses – all of which must be approved by the advisor. Required courses may vary to provide options and to meet student needs. Courses will be selected from those listed above. Admission Requirement: The student must be age 17 or older.			
Course offerings may vary by campus each semester; please see your advisor to register for classes.			

AUTO COLLISION REPAIR TECHNOLOGY SHORT-TERM CERTIFICATE

Advisors – Ayers Campus: Brandon Patterson, Auto Collision Repair Building (256.835.5425) bpatterson@gadsdenstate.edu

East Broad Campus: Bruce Hill, Auto Collision Repair Building (256.549.8617) bhill@gadsdenstate.edu

STUDENT PROGRESS

	<u>Grade</u>	<u>Term Completed</u>
Required Technical Courses:		
• ABR 111 - Non-Structural Repair 3	_____	_____
• ABR 114 - Non-Structural Panel Replacement 3	_____	_____
• ABR 122 - Surface Preparation 3	_____	_____
• ABR 123 - Paint Application and Equipment 3	_____	_____
• ABR 151 - Safety and Environmental Practices 3	_____	_____
• ABR 154 - Automotive Glass and Trim 3	_____	_____
• ABR 157 – Automotive Plastic Repairs 3	_____	_____
• ABR 265 - Paint Defects and Final Repair 3	_____	_____
• ORT 100 - Orientation for Career Students 1	_____	_____
Total Hours Required for Certificate: 25		

NOTICE(s): For the short-term certificate in Auto Collision Repair Technology, the student must complete all of the 25 credit hours listed above. All courses must be approved by the advisor. Admission Requirement: The student must be age 17 or older.

This program is a Gainful Employment Program. Information on the graduation rate, award type, average loan debt, number of students borrowing money, and the cost and length of this program can be found at: <http://www.gadsdenstate.edu/sites/default/files/u21/47.0603-Auto%20Collision%20Repair%20Short%20Term%20Certificate.pdf>.

SAMPLE SEMESTER PLAN

AUTO COLLISION REPAIR TECHNOLOGY SHORT-TERM CERTIFICATE

Advisors – Ayers Campus:

Brandon Patterson, Auto Collision Repair Building (256.835.5425) bpatterson@gadsdenstate.edu

East Broad Campus

Bruce Hill, Auto Collision Repair Building (256.549.8617) bhill@gadsdenstate.edu

FIRST SEMESTER		SECOND SEMESTER	
<u>Course</u>	<u>Credit Hours</u>	<u>Course</u>	<u>Credit Hours</u>
ABR 111: Non-Structural Repair	3	ABR 122: Surface Preparation	3
ABR 114: Non-Structural Panel Replacement	3	ABR 123: Paint Application and Equipment	3
ABR 151: Safety and Environmental Practice	3	ABR 157: Automotive Plastic Repairs	3
ABR 154: Automotive Glass and Trim	3	ABR 265: Paint Defects and Final Repair	3
ORT 100: Orientation for Career Student	1		
Total Semester Hours	13	Total Semester Hours	12
Total hours required for short-term certificate: 25			
NOTICE(s): For the short-term certificate in Auto Collision Repair Technology, the student must complete all of the 25 credit hours listed above. All courses must be approved by the advisor. Admission Requirement: The student must be age 17 or older.			
Course offerings may vary by campus each semester; please see your advisor to register for classes.			

AUTOMOTIVE MANUFACTURING TECHNOLOGY A.A.S.

Advisors – Ayers Campus: Andrew Robertson, Electronics Building (256.835.5427) arobertson@gadsdenstate.edu;

Audrey Webb, Electronics Building (256.835.5460) awebb@gadsdenstate.edu

East Broad Campus: Jack Mayfield, Industrial Automation Building (256.549.8637) jmayfield@gadsdenstate.edu

STUDENT PROGRESS

	Grade	Term Completed
Area I — Written Composition: 3		
• ENG 101 - English Composition I3	_____	_____
Area II — Humanities and Fine Arts: 3		
• Humanities/Fine Arts**3	_____	_____
Area III — Natural Science or Mathematics: 6		
• INT 104 - Principles of Technology3	_____	_____
• MTH 100 - Intermediate College Algebra OR numerically higher.....3	_____	_____
Area IV — History, Social and Behavioral Sciences:3		
• Economics, Geography, History, Political Science, Psychology, or Sociology3	_____	_____
Area V - Technical Courses:22		
Courses listed below are required.		
• AUT 100 - Introduction to Automotive Concepts3	_____	_____
• AUT 102 - Lean Manufacturing and Industrial Safety3	_____	_____
• AUT 104 - Blueprint Reading for Manufacturing3	_____	_____
• AUT 110 - DC Fundamentals3	_____	_____
• AUT 114 - Introduction to Programmable Logic Controllers3	_____	_____
• AUT 118 - Introduction to Engineering Technology3	_____	_____
• AUT 139 – Introduction to Robotic Programming.....3	_____	_____
• ORI 101 - Orientation to College1	_____	_____
Additional Coursework:.....39		
• AUT 106 - Quality Control and Inspection Techniques3	_____	_____
• * AUT 111 - AC Fundamentals3	_____	_____
• AUT 116 – Introduction to Robotics.....3	_____	_____
• AUT 117 - AC/DC Machines3	_____	_____
• AUT 121 - Elements of Industrial Control3	_____	_____
• AUT 122 - Elements of Industrial Control Lab2	_____	_____
• AUT 130 - Fundamentals of Industrial Hydraulics and Pneumatics.....3	_____	_____
• AUT 138 - Principles of Industrial Mechanics3	_____	_____
• AUT 142 - Industrial Wiring3	_____	_____

AUTOMOTIVE MANUFACTURING TECHNOLOGY A.A.S. continued

STUDENT PROGRESS

	<u>Grade</u>	<u>Term Completed</u>
• AUT 150 - Introduction to Machine Shop I3	_____	_____
• AUT 151 - Introduction to Machine Shop I Lab.....3	_____	_____
• AUT 155 - Metrology3	_____	_____
• AUT 186 - Principles of Industrial Maintenance Welding and Metal Cutting Techniques3	_____	_____
• AUT 193 - Special Topics (Electrical/Electronic)1	_____	_____
• AUT 194 - Special Topics (Electrical/Electronic)2	_____	_____
• AUT 221 - Advanced Programmable Logic Controllers3	_____	_____
• AUT 230 - Preventive and Predictive Maintenance3	_____	_____
• AUT 234 - Industrial Motor Controls I3	_____	_____
• AUT 262 - Computer Integrated Manufacturing3	_____	_____
• AUT 291 - Automotive Cooperative Education1	_____	_____
• AUT 292 - Automotive Cooperative Education2	_____	_____
• AUT 293 - Automotive Cooperative Education3	_____	_____
• CIS 146 - Microcomputer Applications3	_____	_____
• MDT 105 - Introduction to Computer-Aided Design (CAD) OR DDT 104 –Basic Computer-Aided Drafting and Design3	_____	_____
• SPH 106 - Fundamentals of Oral Communication.....3	_____	_____

*Required Courses

Total Hours Required for Degree: 76

NOTICE(s): For the A.A.S. Degree in Automotive Manufacturing Technology, the student must complete a minimum of 76 credit hours – a minimum of 61 in technical courses and a minimum of 15 in general education courses – all of which must be approved by the advisor. A maximum of 9 credit hours of technical electives may be selected from any approved area of Engineering Technology programs with prior written approval from the student’s major advisor. Technical courses may vary to meet the student needs and to provide options. Admission Requirement: High school diploma or GED.

The student is responsible for verifying the transferability of credit in this program to a senior institution with the appropriate senior institution advisor.

****Note:** Humanities and Fine Arts disciplines include but are not limited to the following: Literature, Ethnic Studies, Art and Art History, Foreign Language Literature, Music and Music History, Philosophy, Ethics, Religious Studies, Theater, and Dance.

SAMPLE SEMESTER PLAN

AUTOMOTIVE MANUFACTURING TECHNOLOGY A.A.S.**Advisors – Ayers Campus**Andrew Robertson, Electronics Building (256.835.5427) arobertson@gadsdenstate.edu;Audrey Webb, Electronics Building (256.835.5460) awebb@gadsdenstate.edu**East Broad Campus**Jack Mayfield, Industrial Automation Building (256.549.8637) jmayfield@gadsdenstate.edu

FIRST SEMESTER		SECOND SEMESTER	
<u>Course</u>	<u>Credit Hours</u>	<u>Course</u>	<u>Credit Hours</u>
AUT 100: Introduction to Automotive Concepts	3	AUT 102: Lean Manufacturing and Industrial Safety	3
AUT 104: Blueprint Reading for Manufacturing	3	AUT 110: DC Fundamentals	3
AUT 118: Introduction to Engineering Technology	3	MDT 105: Introduction to Computer-Aided Design (CAD)	3
ELT 110: Wiring Methods	3	MTT 147: Introduction to Machine Shop OR	
MTH 100: Intermediate College Algebra or numerically higher MTH	3	DDT 104: Basic Computer-Aided Drafting and Design	3
ORI 101: Orientation to College	1	ENG 101: English Composition I	3
Total Semester Hours	16	Total Semester Hours	15
THIRD SEMESTER		FOURTH SEMESTER	
<u>Course</u>	<u>Credit Hours</u>	<u>Course</u>	<u>Credit Hours</u>
AUT 111: AC Fundamentals	3	AUT 114: Introduction to Programmable Logic Controllers	3
AUT 142: Industrial Wiring	3	AUT 139: Introduction to Robotic Programming	3
AUT 234: Industrial Motor Controls I	3	AUT 186: Principles of Industrial Maintenance Welding and Metal Cutting Techniques	3
*Humanities/Fine Arts: _____	3	AUT 221: Advanced Programmable Logic Controllers	3
Approved Elective: _____	3	AUT 230: Preventive and Predictive Maintenance	3
Total Semester Hours	15	Total Semester Hours	15
FIFTH SEMESTER			
<u>Course</u>	<u>Credit Hours</u>		
AUT 130: Fundamentals of Industrial Hydraulics and Pneumatics	3		
AUT 138: Principles of Industrial Mechanics	3		
INT 104: Principles of Technology	3		
SPH 106: Fundamentals of Oral Communication	3		
Economics, Geography, History, Political Science, Psychology, or Sociology: _____	3		
Total Semester Hours	15		

Total hours required for degree: 76

NOTICE(s): For the A.A.S. Degree in Automotive Manufacturing Technology, the student must complete a minimum of 76 credit hours – a minimum of 61 in technical courses and a minimum of 15 in general education courses – all of which must be approved by the advisor. A maximum of 9 credit hours of technical electives may be selected from any approved area of Engineering Technology programs with prior written approval from the student's major advisor. Technical courses may vary to meet the student needs and to provide options. Admission Requirement: High school diploma or GED. The student is responsible for verifying the transferability of credit in this program to a senior institution with the appropriate senior institution advisor.

***Note:** Humanities and Fine Arts disciplines include but are not limited to the following: Literature, Ethnic Studies, Art and Art History, Foreign Language Literature, Music and Music History, Philosophy, Ethics, Religious Studies, Theater, and Dance.

Course offerings may vary by campus each semester; please see your advisor to register for classes.

AUTOMOTIVE MANUFACTURING TECHNOLOGY CERTIFICATE

Advisors – Ayers Campus: Audrey Webb, Electronics Building (256-835-5460) awebb@gadsdenstate.edu;

Andrew Robertson, Electronics Building (256.835-5427) arobertson@gadsdenstate.edu

East Broad Campus: Jack Mayfield, Industrial Automation Building (256.549.8637) jmayfield@gadsdenstate.edu

STUDENT PROGRESS

	<u>Grade</u>	<u>Term Completed</u>
Area I — Written Composition: 3		
• ENG 101 - English Composition I.....3	_____	_____
Area II — Humanities and Fine Arts: 0		
Area III — Natural Science or Mathematics: 3		
• MTH 100 - Intermediate College Algebra OR numerically higher3	_____	_____
Area IV — History, Social and Behavioral Sciences: 0		
Area V – Technical Courses:37		
• * AUT 100 - Introduction to Automotive Concepts.....3	_____	_____
• * AUT 102 - Lean Manufacturing and Industrial Safety3	_____	_____
• * AUT 104 - Blueprint Reading for Manufacturing.....3	_____	_____
• * AUT 110 - DC Fundamentals.....3	_____	_____
• * AUT 111 - AC Fundamentals.....3	_____	_____
• * AUT 114 - Introduction to Programmable Logic Controllers.3	_____	_____
• AUT 118 - Introduction to Engineering Technology.....3	_____	_____
• AUT 130 - Fundamentals of Industrial Hydraulics and Pneumatics.....3	_____	_____
• AUT 138 - Principles of Industrial Mechanics.....3	_____	_____
• * AUT 139 – Introduction to Robotic Programming.....3	_____	_____
• * AUT 150 - Introduction to Machine Shop I.....3	_____	_____
• AUT 155 - Metrology.....3	_____	_____
• AUT 234 - Industrial Motor Controls I.....3	_____	_____
• CIS 146 - Microcomputer Applications3	_____	_____
• MDT 105 - Introduction to Computer-Aided Design (CAD) OR DDT 104 –Basic Computer-Aided Drafting and Design3	_____	_____
• * ORI 101 - Orientation to College1	_____	_____
• SPH 106 - Fundamentals of Oral Communication.....3	_____	_____
*Required Courses		

Total Hours Required for Degree: 43

NOTICE(s): For the certificate in Automotive Manufacturing Technology, the student must complete at least 43 credit hours—at least 37 in technical courses and at least 6 in general education courses—all of which must be approved by the advisor. Technical courses, which may vary to meet student needs and to provide options, must be selected from those listed above. Admission Requirement: High school diploma or GED.

SAMPLE SEMESTER PLAN

AUTOMOTIVE MANUFACTURING TECHNOLOGY CERTIFICATE

Advisors – Ayers CampusAndrew Robertson, Electronics Building (256.835.5427) arobertson@gadsdenstate.edu;Audrey Webb, Electronics Building (256.835.5460) awebb@gadsdenstate.edu**East Broad Campus**Jack Mayfield, Industrial Automation Building (256.549.8637) jmayfield@gadsdenstate.edu

FIRST SEMESTER		SECOND SEMESTER	
<u>Course</u>	<u>Credit Hours</u>	<u>Course</u>	<u>Credit Hours</u>
AUT 100: Introduction to Automotive Concepts	3	AUT 102: Lean Manufacturing and Industrial Safety	3
AUT 104: Blueprint Reading for Manufacturing	3	AUT 111: AC Fundamentals	3
AUT 110: DC Fundamentals	3	AUT 130: Fundamentals of Industrial Hydraulics and Pneumatics	3
AUT 118: Introduction to Engineering Technology	3	AUT 138: Principles of Industrial Mechanics	3
MTH 100: Intermediate College Algebra or numerically higher	3	ENG 101: English Composition I	3
ORI 101: Orientation to College	1		
Total Semester Hours	16	Total Semester Hours	15
THIRD SEMESTER			
<u>Course</u>	<u>Credit Hours</u>		
AUT 114: Introduction to Programmable Logic Controllers	3		
AUT 139: Introduction to Robotic Programming	3		
AUT 150: Introduction to Machine Shop I	3		
AUT 155: Metrology	3		
Total Semester Hours	12		
Total hours required for certificate: 43			

NOTICE(s): For the certificate in Automotive Manufacturing Technology, the student must complete at least 43 credit hours—at least 37 in technical courses and at least 6 in general education courses—all of which must be approved by the advisor. Technical courses, which may vary to meet student needs and to provide options, must be selected from those listed above. Admission Requirement: High school diploma or GED.

Course offerings may vary by campus each semester; please see your advisor to register for classes.

AUTOMOTIVE MANUFACTURING TECHNOLOGY SHORT-TERM CERTIFICATE

Advisors – Ayers Campus: Andrew Robertson, Electronics Building (256.835.5427) arobertson@gadsdenstate.edu;
Audrey Webb, Electronics Building (256-835-5460) awebb@gadsdenstate.edu
East Broad Campus: Jack Mayfield, Industrial Automation Building (256.549.8637) jmayfield@gadsdenstate.edu

STUDENT PROGRESS

Required Courses:

	<u>Grade</u>	<u>Term Completed</u>
• AUT 100 - Introduction to Automotive Concepts.....3	_____	_____
• AUT 102 - Lean Manufacturing and Industrial Safety.....3	_____	_____
• AUT 104 - Blueprint Reading for Manufacturing.....3	_____	_____
• AUT 110 - DC Fundamentals.....3	_____	_____
• AUT 111 - AC Fundamentals.....3	_____	_____
• AUT 114 - Introduction to Programmable Logic Controllers.....3	_____	_____
• AUT 121 - Elements of Industrial Control.....3	_____	_____
• AUT 122 - Elements of Industrial Control Lab.....2	_____	_____
• AUT 130 - Fundamentals of Industrial Hydraulics and Pneumatics.....3	_____	_____
• AUT 138 - Principles of Industrial Mechanics.....3	_____	_____
• AUT 139 – Introduction to Robotic Programming.....3	_____	_____
• AUT 150 - Introduction to Machine Shop I.....3	_____	_____
• AUT 234 - Industrial Motor Controls I.....3	_____	_____
• ELT 110 – Wiring Methods.....3	_____	_____
• ORI 101 - Orientation to College.....1	_____	_____

Total Hours Required for Degree:.....28

SAMPLE SEMESTER PLAN

AUTOMOTIVE MANUFACTURING TECHNOLOGY SHORT-TERM CERTIFICATE

Advisors – Ayers Campus

Andrew Robertson, Electronics Building (256.835.5427) arobertson@gadsdenstate.edu;

Audrey Webb, Electronics Building (256-835-5460) awebb@gadsdenstate.edu

East Broad Campus

Jack Mayfield, Industrial Automation Building (256.549.8637) jmayfield@gadsdenstate.edu

FIRST SEMESTER		SECOND SEMESTER	
<u>Course</u>	<u>Credit Hours</u>	<u>Course</u>	<u>Credit Hours</u>
AUT 100: Introduction to Automotive Concepts	3	AUT 102: Lean Manufacturing and Industrial Safety	3
AUT 104: Blueprint Reading for Manufacturing	3	AUT 130: Fundamentals of Industrial Hydraulics and Pneumatics	3
AUT 110: DC Fundamentals	3	AUT 138: Principles of Industrial Mechanics	3
AUT 118: Introduction to Engineering Technology	3	AUT 139: Introduction to Robotic Programming	3
AUT 150: Introduction to Machine Shop I	3		
ORI 101: Orientation to College	1		
Total Semester Hours	16	Total Semester Hours	12
Total hours required for short-term certificate: 28			
NOTICE(s): For the short-term certificate in Automotive Manufacturing Technology, the student must complete 28 credit hours from the courses listed above. All courses must be approved by the advisor. Admission Requirement: High school diploma or GED.			
Course offerings may vary by campus each semester; please see your advisor to register for classes.			

AUTOMOTIVE SERVICE TECHNOLOGY CERTIFICATE

Advisor – East Broad Campus: Harold Waddell, Automotive Services Technology Building (256.549.8622)
hwaddell@gadsdenstate.edu

	STUDENT PROGRESS	
	Grade	Term Completed
Area I—Written Composition: 3		
• ENG 100 - Vocational Technical English I OR		
ENG 101 - English Composition I..... 3	_____	_____
Area II—Humanities and Fine Arts: 0		
Area III—Natural Science or Mathematics: 3		
• MAH 101 - Introductory Mathematics I OR		
MTH 100 - Intermediate College Algebra or		
numerically higher OR		
AUM 100 - Introduction to Applied Technologies 3	_____	_____
Area IV—History, Social and Behavioral Sciences: 0		
Area V—Technical Courses: 54		
• AUM 101 - Fundamentals of Automotive Technology 3	_____	_____
• * AUM 112 - Electrical Fundamentals 3	_____	_____
• * AUM 121 - Braking Systems 3	_____	_____
• * AUM 122 - Steering and Suspension 3	_____	_____
• * AUM 124 - Automotive Engines 3	_____	_____
• * AUM 124 - Automotive Engines 3	_____	_____
• AUM 127 - Car Braking, Steering and Suspension 3	_____	_____
• * AUM 130 - Drive Train and Axles 3	_____	_____
• AUM 133 - Motor Vehicle Air Conditioning 3	_____	_____
• * AUM 162 - Electrical and Electronic Systems..... 3	_____	_____
• AUM 181 - Special Topics..... 1	_____	_____
• AUM 182 - Special Topics..... 2	_____	_____
• AUM 183 - Special Topics..... 2	_____	_____
• AUM 191 - Co-Op 2	_____	_____
• AUM 212 - Advanced Electrical and Electronic Systems..... 3	_____	_____
• AUM 220 - Advanced Automotive Engines 3	_____	_____
• AUM 224 – Manual Transmission and Transaxle 3	_____	_____
• * AUM 230 - Auto Transmission and Transaxle 3	_____	_____
• AUM 235 - Transmissions and Transaxles..... 3	_____	_____
• * AUM 239 - Engine Performance..... 3	_____	_____
• * AUM 244 - Engine Performance II..... 3	_____	_____
• AUM 246 - Automotive Emissions 3	_____	_____
• AUM 248 - Engine Performance Diagnostics and Emissions..... 3	_____	_____
• AUM 271 - Co-Op 1	_____	_____
• AUM 281 - Special Topics..... 3	_____	_____
• AUM 291 - Co-Op 3	_____	_____
• DPT 100 - Introductory Computer Skills I OR		
CIS 146 - Microcomputer Applications 3	_____	_____
• * ORT 100 - Orientation for Career Students..... 1	_____	_____
• SPC 103 - Oral Communication Skills OR		
SPH 106 - Fundamentals of Oral Communication 3	_____	_____
*Required Courses		
Total Hours Required for Certificate: 60		

NOTICE(s): For the certificate in Automotive Service Technology, the student must complete a minimum of 60 credit hours – 54 in technical courses and 6 in general education

AUTOMOTIVE SERVICE TECHNOLOGY CERTIFICATE continued

courses – all of which must be approved by the advisor. Required courses may vary to provide options and to meet student needs. Courses will be selected from those listed above. Admission Requirement: Student must be age 17 or older.

This program is offered at the East Broad Campus only.

This program is a Gainful Employment Program. Information on the graduation rate, award type, average loan debt, number of students borrowing money, and the cost and length of this program can be found at: <http://www.gadsdenstate.edu/sites/default/files/u21/47.0604-Auto%20Service%20Certificate.pdf>.

SAMPLE SEMESTER PLAN

AUTOMOTIVE SERVICE TECHNOLOGY CERTIFICATE

Advisor – East Broad Campus

Harold Waddell, Automotive Services Technology Building (256.549.8622) hwaddell@gadsdenstate.edu

FIRST SEMESTER		SECOND SEMESTER	
<u>Course</u>	<u>Credit Hours</u>	<u>Course</u>	<u>Credit Hours</u>
AUM 101: Fundamentals of Automotive Technology	3	AUM 121: Braking Systems	3
AUM 112: Electrical Fundamentals	3	AUM 122: Steering and Suspension	3
AUM 124: Automotive Engines	3	AUM 162: Electrical and Electronic Systems	3
AUM 130: Drive Train and Axles	3	AUM 220: Advanced Automotive Engines	3
ENG 100: Vocational Technical English I	3	MAH 101: Introductory Mathematics	
ORT 100: Orientation for Career Students	1	-OR-	
		MTH 100: Intermediate College Algebra or numerically higher	
		-OR-	
		AUM 100: Introduction to Applied Technologies	3
Total Semester Hours	16	Total Semester Hours	15
THIRD SEMESTER		FOURTH SEMESTER	
<u>Course</u>	<u>Credit Hours</u>	<u>Course</u>	<u>Credit Hours</u>
AUM 133: Motor Vehicle Air Conditioning	3	AUM 212: Advanced Electrical and Electronic Systems	3
AUM 224: Manual Transmission and Transaxle	3	AUM 244: Engine Performance II	3
AUM 230: Auto Transmission and Transaxle	3	AUM 246: Automotive Emissions	3
AUM 239: Engine Performance	3	AUM 248: Engine Performance Diagnostics and Emissions	3
AUM 182: Special Topics	2	AUM 281: Special Topics	3
Total Semester Hours	14	Total Semester Hours	15
Total hours required for certificate: 60			
NOTICE(s): For the certificate in Automotive Service Technology, the student must complete a minimum of 60 credit hours – 54 in technical courses and 6 in general education courses – all of which must be approved by the advisor. Required courses may vary to provide options and to meet student needs. Courses will be selected from those listed above. Admission Requirement: Student must be age 17 or older.			
This program is offered at the East Broad Campus only.			

AUTOMOTIVE SERVICE TECHNOLOGY SHORT-TERM CERTIFICATE

Advisor – East Broad Campus: Harold Waddell, Automotive Services Technology Building (256.549.8622)

hwaddell@gadsdenstate.edu

STUDENT PROGRESS

	<u>Grade</u>	<u>Term Completed</u>
Required Technical Courses:		
• AUM 101 - Fundamentals of Automotive Technology.....3	_____	_____
• AUM 112 - Electrical Fundamentals.....3	_____	_____
• AUM 121 - Braking Systems3	_____	_____
• AUM 122 - Steering and Suspension.....3	_____	_____
• AUM 124 - Automotive Engines.....3	_____	_____
• AUM 130 - Drive Train and Axles3	_____	_____
• AUM 182 - Special Topics.....2	_____	_____
• AUM 220 – Advanced Automotive Engines3	_____	_____
• ORT 100 - Orientation for Career Students.....1	_____	_____
Total Hours Required for Certificate: 24		

NOTICE(s): For the short-term certificate in Automotive Service Technology, the student must complete 24 credit hours. All courses must be approved by the advisor. Admission Requirement: The student must be age 17 or older.

This program is offered at the East Broad Campus only.

This program is a Gainful Employment Program. Information on the graduation rate, award type, average loan debt, number of students borrowing money, and the cost and length of this program can be found at: <http://www.gadsdenstate.edu/sites/default/files/u21/47.0604-Auto%20Service%20Short%20Term%20Certificate.pdf>.

SAMPLE SEMESTER PLAN

AUTOMOTIVE SERVICE TECHNOLOGY SHORT-TERM CERTIFICATE

Advisor – East Broad Campus

Harold Waddell, Automotive Services Technology Building (256.549.8622) hwaddell@gadsdenstate.edu

FIRST SEMESTER		SECOND SEMESTER	
<u>Course</u>	<u>Credit Hours</u>	<u>Course</u>	<u>Credit Hours</u>
AUM 101: Fundamentals of Automotive Technology	3	AUM 121: Advanced Electrical and Electronic Systems	3
AUM 112: Electrical Fundamentals	3	AUM 122: Steering and Suspension	3
AUM 124: Automotive Engines	3	AUM 162: Electrical and Electronic Systems	3
AUM 130: Drive Train and Axles	2	AUM 220: Advanced Automotive Engines	3
ORT 100: Orientation for Career Students	1		
Total Semester Hours	12	Total Semester Hours	12
Total hours required for short-term certificate: 24			
NOTICE(s): For the short-term certificate in Automotive Service Technology, the student must complete 24 credit hours. All courses must be approved by the advisor. Admission Requirement: The student must be age 17 or older.			
This program is offered at the East Broad Campus only.			

Advisors - Ayers Campus: Susan Lindblom (256.835.5429) slindblom@gadsdenstate.edu;

Wallace Drive Campus: Gwen Ford (256.549.8335) gford@gadsdenstate.edu

STUDENT PROGRESS		
	Grade	Term Completed
Area I – Written Composition:3		
• ENG 101 - English Composition I..... 3	_____	_____
Area II – Humanities and Fine Arts:.....3		
• Humanities/Fine Arts* 3	_____	_____
Area III – Natural Sciences and Mathematics:7		
• BIO 103 - Principles of Biology I OR Science elective..... 4	_____	_____
• MTH 100 - Intermediate College Algebra OR MTH 116 - Mathematical Applications OR MTH 131 - Mathematics in General Education I..... 3	_____	_____
Area IV – History, Social and Behavioral Sciences:6		
• PSY 200 - General Psychology..... 3	_____	_____
• History..... 3	_____	_____
Area V – Professional, Major and Electives:47		
• CHD 100 - Introduction of Early Care & Education of Children .3	_____	_____
• CHD 201 - Child Growth and Development Principles..... 3	_____	_____
• CHD 202 - Children's Creative Experiences..... 3	_____	_____
• CHD 203 - Children's Literature and Language Development ... 3	_____	_____
• CHD 204 - Methods and Materials for Teaching Children 3	_____	_____
• CHD 206 - Children's Health and Safety..... 3	_____	_____
• CHD 208 - Administration of Child Development Programs 3	_____	_____
• CHD 209 - Infant and Toddler Education Programs..... 3	_____	_____
• CHD 210 - Educating Exceptional Young Children 3	_____	_____
• CHD 214 - Families and Communities (Recommended) OR SOC 200 - Introduction to Sociology 3	_____	_____
• CHD 215 - Supervised Practical Experience in Child Development (Instructor Approval)..... 3	_____	_____
• CHD 217 - Math and Science for Young Children 3	_____	_____
• CIS 146 - Microcomputer Applications 3	_____	_____
• ORI 101 - Orientation to College..... 1	_____	_____
• SPH 106 - Fundamentals of Oral Communication 3	_____	_____
Choose 4 hours from the following electives:		
• CHD 211A-F - Child Development Seminar 1	_____	_____
• CHD 212A-F - Special Topics in Child Development..... 2	_____	_____
• HED 224 - Management in Family Living 3	_____	_____
• PSY 210 - Human Growth and Development..... 3	_____	_____
• SPA 101 - Introductory Spanish 4	_____	_____
• SPA 102 - Introductory Spanish II 4	_____	_____
Total Hours Required for Degree:.....66		

***Note:** Humanities and Fine Arts disciplines include but are not limited to the following: Literature, Ethnic Studies, Art and Art History, Foreign Language Literature, Music and Music History, Philosophy, Ethics, Religious Studies, Theater, and Dance.

SAMPLE SEMESTER PLAN

CHILD DEVELOPMENT A.A.S.**Advisors - Ayers Campus**Susan Lindblom (256.835.5429) slindblom@gadsdenstate.edu**Wallace Drive Campus**Gwen Ford (256.549.8335) gford@gadsdenstate.edu

FIRST SEMESTER		SECOND SEMESTER	
<u>Course</u>	<u>Credit Hours</u>	<u>Course</u>	<u>Credit Hours</u>
ART 100: Art Appreciation*		CHD 203: Children's Literature and Language Development	
- OR -		-OR-	
MUS 101: Music Appreciation*	3	CHD 217: Math and Science for Young Children	3
CHD 100: Introduction of Early Care & Education of Children	3	CHD 204: Methods and Materials for Teaching Children	
CHD 201: Child Growth and Development Principles	3	-OR-	
CHD 204: Methods and Materials for Teaching Children		CHD 206: Children's Health and Safety	3
-OR-		CHD 209: Infant and Toddler Education Programs	3
CHD 206: Children's Health and Safety	3	CHD 211A-F: Child Development Seminar	
ENG 101: English Composition I	3	-OR-	
ORI 101: Orientation to College	1	CHD 212A-F: Special Topics in Child Development	1-2
		CIS 146: Microcomputer Applications	3
		PSY: 200: General Psychology	3
Total Semester Hours	16	Total Semester Hours	16-17
THIRD SEMESTER		FOURTH SEMESTER	
<u>Course</u>	<u>Credit Hours</u>	<u>Course</u>	<u>Credit Hours</u>
History:_____	3	CHD 208: Administration of Child Development Programs	3
BIO 103: Principles of Biology I		CHD 210: Educating Exceptional Young Children	3
-OR-		CHD 211A-F: Child Development Seminar	
Science elective:_____	4	-OR-	
CHD 202: Children's Creative Experiences	3	CHD 212A-F: Special Topics in Child Development	1-2
CHD 203: Children's Literature and Language Development		CHD 215: Supervised Practical Experience in Child Development	3
-OR-		MTH 100, MTH 116 or MTH 131	3
CHD 217: Math and Science for Young Children	3	SPH 106: Fundamentals of Oral Communication	3
CHD 214: Families and Communities	3		
CHD 211A-F: Child Development Seminar (optional for 3rd semester)	1		
Total Semester Hours	16-17	Total Semester Hours	16-17

Total hours required for degree: 66

*Note: Humanities and Fine Arts disciplines include but are not limited to the following: Literature, Ethnic Studies, Art and Art History, Foreign Language Literature, Music and Music History, Philosophy, Ethics, Religious Studies, Theater, and Dance.

CHILD DEVELOPMENT SHORT-TERM CERTIFICATE

Advisors - Ayers Campus: Susan Lindblom (256.835.5429) slindblom@gadsdenstate.edu;

Wallace Drive Campus: Gwen Ford (256.549.8335) gford@gadsdenstate.edu

STUDENT PROGRESS

Grade Term Completed

Required Course:

- | | | |
|---|-------|-------|
| • CHD 100 - Introduction of Early Care & Education of Children...3 | _____ | _____ |
| • CHD 201 - Child Growth and Development Principles3 | _____ | _____ |
| • CHD 204 - Methods and Materials for Teaching Children3 | _____ | _____ |
| • CHD 215 - Supervised Practical Experience in
Child Development.....3 | _____ | _____ |
| • ORI 101 - Orientation to College (Required)1 | _____ | _____ |

Choose 14 hours from the following courses:

- | | | |
|---|-------|-------|
| • CHD 202 - Children's Creative Experiences3 | _____ | _____ |
| • CHD 203 - Children's Literature and Language Development....3 | _____ | _____ |
| • CHD 206 - Children's Health and Safety3 | _____ | _____ |
| • CHD 208 - Administration of Child Development Programs3 | _____ | _____ |
| • CHD 209 - Infant and Toddler Education Programs3 | _____ | _____ |
| • CHD 210 - Educating Exceptional Young Children.....3 | _____ | _____ |
| • CHD 211A-F - Child Development Seminar1 | _____ | _____ |
| • CHD 212A-F - Special Topics in Child Development2 | _____ | _____ |
| • CHD 214 - Families and Communities3 | _____ | _____ |
| • CHD 217 - Math and Science for Young Children.....3 | _____ | _____ |

Total Hours Required for Certificate: 27

SAMPLE SEMESTER PLAN

CHILD DEVELOPMENT SHORT-TERM CERTIFICATE**Advisors - Ayers Campus**Susan Lindblom (256.835.5429) slindblom@gadsdenstate.edu;**Wallace Drive Campus**Gwen Ford (256.549.8335) gford@gadsdenstate.edu

FIRST SEMESTER		SECOND SEMESTER	
<u>Course</u>	<u>Credit Hours</u>	<u>Course</u>	<u>Credit Hours</u>
CHD 100: Introduction of Early Care & Education of Children	3	CHD Elective	3
CHD 201: Child Growth and Development Principles	3	CHD Elective	3
CHD 204: Methods and Materials for Teaching Children	3	CHD Elective	3
CHD 209: Infant and Toddler Education Programs	3	CHD 215: Supervised Practical Experience in Child Development	3
CHD 211A-F: Child Development Seminar		CHD 211A-F: Child Development Seminar	
-OR-		-OR-	
CHD 212A-F: Special Topics in Child Development (optional for Semester 1)	1-2	CHD 212A-F: Special Topics in Child Development (if necessary)	1-2
ORI 101: Orientation to College	1		
Total Semester Hours	13-15	Total Semester Hours	13-14
Total hours required for short-term certificate: 27			
Course offerings may vary by campus each semester; please see your advisor to register for classes.			

CIVIL ENGINEERING TECHNOLOGY A.A.S.

Advisor – East Broad Campus: Dave Hyatt, Bevill Center (256.549.8624) dhyatt@gadsdenstate.edu

STUDENT PROGRESS

	<u>Grade</u>	<u>Term Completed</u>
Area I — Written Composition:3		
• ENG 101 - English Composition I 3	_____	_____
Area II — Humanities and Fine Arts:3		
• Humanities/Fine Arts** 3	_____	_____
Area III — Natural Science or Mathematics:6		
• INT 104 - Principles of Technology 3	_____	_____
• MTH 100 - Intermediate College Algebra OR numerically higher 3	_____	_____
Area IV—History, Social and Behavioral Science:.....3		
• Economics, Geography, History, Political Science, Psychology, or Sociology 3	_____	_____
Area V — Technical Courses:22		
Courses listed below are required.		
• CET 100 - Engineering Blueprints 3	_____	_____
• CET 101 - Introduction to Engineering Technology 3	_____	_____
• CET 215 - Statics 3	_____	_____
• CET 217 - Strength of Materials..... 3	_____	_____
• MDT 105 - Introduction to Computer-Aided Design (CAD) 3	_____	_____
• MDT 146 - AutoCAD CADD 3	_____	_____
• MDT 147 - Inventor CADD 3	_____	_____
• ORI 101 - Orientation to College 1	_____	_____
Additional Coursework:.....39		
• CET 105 - Introduction to Microstation 3	_____	_____
• * CET 111 - Fundamentals of Surveying 3	_____	_____
• * CET 112 - Intermediate Surveying 3	_____	_____
• CET 121 - Engineering Materials..... 3	_____	_____
• * CET 131 - Highway Design and Construction 3	_____	_____
• CET 181 - Special Topics in Civil Engineering Technology OR CET 183 - Special Topics in Civil Engineering Technology..... 3	_____	_____
• CET 213 - Topographical Surveying and Drawing 3	_____	_____

CIVIL ENGINEERING TECHNOLOGY A.A.S. continued

STUDENT PROGRESS

	<u>Grade</u>	<u>Term Completed</u>
• * CET 214 - Hydraulics.....3	_____	_____
• CET 216 - Advanced Surveying.....3	_____	_____
• CET 221 - Construction Equipment.....3	_____	_____
• CET 222 - Residential Land Development.....3	_____	_____
• CET 223 - Site Planning and Development.....3	_____	_____
• CET 240 - Geographic Information Systems.....3	_____	_____
• CET 281 - Special Topics in Civil Engineering Technology.....3	_____	_____
• CET 281A-H - Special Topics in Civil Engineering Technology3	_____	_____
• CET 284 Cooperative Education.....1-3	_____	_____
• CIS 146 - Microcomputer Applications.....3	_____	_____
• MDT 122 – Architectural Drawing.....3	_____	_____
• SPH 106 - Fundamentals of Oral Communication.....3	_____	_____

*Required Courses

Total Hours Required for Degree: 76

NOTICE(s): For the A.A.S. Degree in the Civil Engineering Technology Specialty, the student must complete a minimum of 76 credit hours—a minimum of 61 in technical courses and a minimum of 15 in general education courses—all of which must be approved by the advisor. A maximum of 9 credit hours of technical electives may be selected from any approved area of Engineering Technology programs with prior written approval from the student's major advisor. Technical courses may vary to meet student needs and to provide options. Admission Requirement: High school diploma or GED.

The student is responsible for verifying the transferability of credit in this program to a senior institution with the appropriate senior institution advisor.

This program is offered at the East Broad Campus only.

****Note:** Humanities and Fine Arts disciplines include but are not limited to the following: Literature, Ethnic Studies, Art and Art History, Foreign Language Literature, Music and Music History, Philosophy, Ethics, Religious Studies, Theater, and Dance.

SAMPLE SEMESTER PLAN

CIVIL ENGINEERING TECHNOLOGY A.A.S.

Advisor – East Broad Campus

Dave Hyatt, Beville Center (256.549.8624) dhyatt@gadsdenstate.edu

FIRST SEMESTER		SECOND SEMESTER	
<u>Course</u>	<u>Credit Hours</u>	<u>Course</u>	<u>Credit Hours</u>
CET 100: Engineering Blueprints	3	CET 105: Introduction to Microstation	3
CET 101: Introduction to Engineering	3	CET 112: Intermediate Surveying	3
CET 111: Fundamentals of Surveying	3	CET 214: Hydraulics	3
MDT 105: Introduction to Computer-Aided Design (CAD)	3	CET 223: Site Planning and Development	3
ORI 101: Orientation to College	1	MDT 146: AutoCAD CADD	3
Approved Technical Elective: _____	3		
Total Semester Hours	16	Total Semester Hours	15
THIRD SEMESTER		FOURTH SEMESTER	
<u>Course</u>	<u>Credit Hours</u>	<u>Course</u>	<u>Credit Hours</u>
CET 121: Engineering Materials	3	CET 217: Strength of Materials	3
CET 131: Highway Design and Construction	3	CET 222: Residential Land Development	3
CET 215: Statics	3	ENG 101: English Composition	3
CET 216: Advanced Surveying	3	INT 104: Principles in Technology	3
CET 281A: Special Topics in CET	3	MTH 100: Intermediate College Algebra or numerically higher	3
Total Semester Hours	15	Total Semester Hours	15
FIFTH SEMESTER			
<u>Course</u>	<u>Credit Hours</u>		
CET 284: Cooperative Education	3		
MDT 147: Inventor CADD	3		
Economics, Geography, History, Political Science, Psychology, or Sociology: _____	3		
*Humanities/Fine Arts: _____	3		
Approved Technical Elective: _____	3		
Total Semester Hours	15		

Total hours required for degree: 76

NOTICE(s): For the A.A.S. Degree in the Civil Engineering Technology Specialty, the student must complete a minimum of 76 credit hours—a minimum of 61 in technical courses and a minimum of 15 in general education courses—all of which must be approved by the advisor. A maximum of 9 credit hours of technical electives may be selected from any approved area of Engineering Technology programs with prior written approval from the student's major advisor. Technical courses may vary to meet student needs and to provide options. Admission Requirement: High school diploma or GED. The student is responsible for verifying the transferability of credit in this program to a senior institution with the appropriate senior institution advisor.

This program is offered at the East Broad Campus only.

***Note:** Humanities and Fine Arts disciplines include but are not limited to the following: Literature, Ethnic Studies, Art and Art History, Foreign Language Literature, Music and Music History, Philosophy, Ethics, Religious Studies, Theater, and Dance.

CIVIL ENGINEERING TECHNOLOGY CERTIFICATE

Advisor – East Broad Campus: Dave Hyatt, Bevill Center (256.549.8624) dhyatt@gadsdenstate.edu

STUDENT PROGRESS

	<u>Grade</u>	<u>Term Completed</u>
Area I – Written Composition:3		
• ENG 101 - English Composition I.....3	_____	_____
Area II – Humanities and Fine Arts:.....0		
Area III – Natural Science or Mathematics:.....3		
• MTH 100 - Intermediate College Algebra OR numerically higher...3	_____	_____
Area IV — History, Social and Behavioral Sciences:.....0		
Area V – Technical Courses:37		
• * CET 100 - Engineering Blueprints.....3	_____	_____
• * CET 101 - Introduction to Engineering Technology.....3	_____	_____
• * CET 111 - Fundamentals of Surveying.....3	_____	_____
• * CET 112 - Intermediate Surveying.....3	_____	_____
• * MDT 105 - Introduction to Computer-Aided Design (CAD).....3	_____	_____
• * ORI 101 - Orientation to College.....1	_____	_____
• CET Electives.....21	_____	_____
• CIS 146 - Microcomputer Applications.....3	_____	_____
• SPH 106 - Fundamentals of Oral Communication.....3	_____	_____
*Required Courses		

Total Hours Required for Certificate.....43

NOTICE(s): For the certificate in Civil Engineering Technology, Civil Engineering Technology Specialty, the student must complete 43 hours - 6 general education hours and 37 technical hours – all of which must be approved by the advisor. Technical courses, which may vary to meet student needs and to provide options, must be selected from those listed above. Admission Requirement: High school diploma or GED.

The student is responsible for verifying the transferability of credit in this program to a senior institution with the appropriate senior institution advisor.

This program is offered at the East Broad Campus only.

SAMPLE SEMESTER PLAN

CIVIL ENGINEERING TECHNOLOGY CERTIFICATE

Advisor – East Broad Campus

Dave Hyatt, Beville Center (256.549.8624) dhyatt@gadsdenstate.edu

FIRST SEMESTER		SECOND SEMESTER	
<u>Course</u>	<u>Credit Hours</u>	<u>Course</u>	<u>Credit Hours</u>
CET 100: Engineering Blueprints	3	CET 112: Intermediate Surveying	3
CET 101: Introduction to Engineering	3	CET Technical Elective: _____	3
CET 111: Fundamentals of Surveying	3	CET Technical Elective: _____	3
MDT 105: Introduction to Computer - Aided Design (CAD)	3	CET Technical Elective: _____	3
MTH 100: Intermediate College Algebra or numerically higher	3	CET Technical Elective: _____	3
ORI 101: Orientation to College	1		
Total Semester Hours	16	Total Semester Hours	15
THIRD SEMESTER			
<u>Course</u>	<u>Credit Hours</u>		
ENG 101: English Composition	3		
CET Technical Elective: _____	3		
CET Technical Elective: _____	3		
CET Technical Elective: _____	3		
Total Semester Hours	12		
Total hours required for certificate: 43			
<p>NOTICE(s): For the certificate in Civil Engineering Technology, Civil Engineering Technology Specialty, the student must complete 43 hours - 6 general education hours and 37 technical hours – all of which must be approved by the advisor. Technical courses, which may vary to meet student needs and to provide options, must be selected from those listed above. Admission Requirement: High school diploma or GED.</p> <p>The student is responsible for verifying the transferability of credit in this program to a senior institution with the appropriate senior institution advisor.</p> <p>This program is offered at the East Broad Campus only.</p>			

CIVIL ENGINEERING TECHNOLOGY SHORT-TERM CERTIFICATE

Advisor – East Broad Campus: Dave Hyatt, Bevill Center (256.549.8624) dhyatt@gadsdenstate.edu

STUDENT PROGRESS		
	<u>Grade</u>	<u>Term Completed</u>
Required Courses:		
• ORI 101 - Orientation to College.....1	_____	_____
• CET 100 - Engineering Blueprints.....3	_____	_____
• CET 101 - Introduction to Engineering Technology.....3	_____	_____
• CET 111 - Fundamentals of Surveying.....3	_____	_____
• CET 112 - Intermediate Surveying.....3	_____	_____
• CET 214 - Hydraulics.....3	_____	_____
• MDT 105 - Introduction to Computer-Aided Design (CAD).....3	_____	_____
• Approved Electives.....6	_____	_____
Total Hours Required for Degree:.....25		

SAMPLE SEMESTER PLAN

CIVIL ENGINEERING TECHNOLOGY SHORT-TERM CERTIFICATE

Advisor – East Broad Campus

Dave Hyatt, Bevill Center (256.549.8624) dhyatt@gadsdenstate.edu

FIRST SEMESTER		SECOND SEMESTER	
<u>Course</u>	<u>Credit Hours</u>	<u>Course</u>	<u>Credit Hours</u>
CET 100: Engineering Blueprints	3	CET 112: Intermediate Surveying	3
CET 101: Introduction to Engineering	3	CET 214: Hydraulics	3
CET 111: Fundamentals of Surveying	3	CET Technical Elective: _____	3
MDT 105: Introduction to Computer-Aided Design (CAD)	3	CET Technical Elective: _____	3
ORI 101: Orientation to College	1		
Total Semester Hours	13	Total Semester Hours	12
Total hours required for short-term certificate: 25			
<p>NOTICE(s): For the short-term certificate in Civil Engineering, the student must complete all of the credit hours listed above—all of which must be approved by the advisor. Required courses may vary to provide options and to meet student needs. Courses will be selected from those listed above. Admission Requirement: High school diploma or GED</p>			
<p>This program is offered at the East Broad Campus only.</p>			

COMPUTER SCIENCE TECHNOLOGY - NETWORK ADMINISTRATION A.A.S.

Advisor – Wallace Drive Campus: Frank Cornutt (256.549.8253) fcornutt@gadsdenstate.edu

STUDENT PROGRESS

	<u>Grade</u>	<u>Term Completed</u>
Area I – Written Composition:3		
• ENG 101 - English Composition I 3	_____	_____
Area II - Humanities and Fine Arts:3		
• Humanities/Fine Arts* 3	_____	_____
Area III – Natural Sciences and Mathematics:6		
• Mathematics..... 3	_____	_____
• Mathematics..... 3	_____	_____
(Choose two courses from MTH 100, 112, 113, 120, 125, 126)		
Area IV – History, Social and Behavioral Sciences:3		
• Economics, Geography, History, Political Science, Psychology or Sociology 3	_____	_____
Area V – Professional, Major and Electives:51		
(Advisor Approval Required)		
• CIS 146 - Microcomputer Applications OR Higher CIS elective...3	_____	_____
• CIS 171 - Linux I.....3	_____	_____
• CIS 199 - Network Communications3	_____	_____
• CIS 201 - Introduction to Computer Programming Concepts....3	_____	_____
• CIS 212 - Visual BASIC Programming.....3	_____	_____
• CIS 263 – Computer Maintenance.....3	_____	_____
CISCO Network Administration curriculum offered ONLY at Wallace Drive Campus		
• CIS 270 - Cisco CCNA I.....3	_____	_____
• CIS 271 - Cisco CCNA II.....3	_____	_____
• CIS 272 - Cisco CCNA III.....3	_____	_____
CIS 165E - Network Lab (Corequisite).....1	_____	_____
• CIS 273 - Cisco CCNA IV.....3	_____	_____
CIS 165F - Network Lab (Corequisite).....1	_____	_____
• CIS 276 - Server Administration.....3	_____	_____
• CIS 277 - Network Services Administration.....3	_____	_____
• CIS 278 - Directory Services Administration.....3	_____	_____
• CIS 280 - Network Security.....3	_____	_____
• CIS Approved Elective.....3	_____	_____
• ORI 101 - Orientation to College.....1	_____	_____
• SPH 106 – Fundamentals of Oral Communication.....3	_____	_____
Total Hours Required for Degree:..... 66		

*Note: Humanities and Fine Arts disciplines include but are not limited to the following: Literature, Ethnic Studies, Art and Art History, Foreign Language Literature, Music and Music History, Philosophy, Ethics, Religious Studies, Theater, and Dance.

SAMPLE SEMESTER PLAN

COMPUTER SCIENCE TECHNOLOGY NETWORK ADMINISTRATION A.A.S.

Advisor – Wallace Drive Campus

Frank Cornutt (256.549.8253) fcornutt@gadsdenstate.edu

FALL SEMESTER		SPRING SEMESTER	
<u>Course</u>	<u>Credit Hours</u>	<u>Course</u>	<u>Credit Hours</u>
CIS 146: Microcomputer Applications	3	CIS 212: Visual Basic Programming	3
CIS 171: Linux I	3	CIS 270: Cisco CCNA I	3
CIS 199: Network Communications	3	CIS 271: Cisco CCNA II	3
CIS 263: Computer Maintenance	3	CIS 276: Server Administration	3
MTH 100, 112, 113, 120, 125 or 126	3	MTH 112, 113, 120, 125 or 126	3
ORI 101: Orientation to College	1		
Total Semester Hours	16	Total Semester Hours	15
SUMMER SEMESTER		FALL SEMESTER	
<u>Course</u>	<u>Credit Hours</u>	<u>Course</u>	<u>Credit Hours</u>
ENG 101: English Composition I	3	CIS 272: Cisco CCNA III	3
		CIS 165E: Network Lab	1
		CIS 273: Cisco CCNA IV	3
		CIS 165F: Network Lab	1
		CIS 277: Network Services Administration	3
		CIS Approved Elective:_____	3
		History, Social or Behavioral Science:_____	3
Total Semester Hours	3	Total Semester Hours	17
SPRING SEMESTER			
<u>Course</u>	<u>Credit Hours</u>		
CIS 201: Introduction to Computer Programming Concepts	3		
CIS 278: Directory Services Administration	3		
CIS 280: Network Security	3		
*Humanities/Fine Arts:_____	3		
SPH 106: Fundamentals of Oral Communication	3		
Total Semester Hours	15		
Total hours required for degree: 66			
*Note: Humanities and Fine Arts disciplines include but are not limited to the following: Literature, Ethnic Studies, Art and Art History, Foreign Language Literature, Music and Music History, Philosophy, Ethics, Religious Studies, Theater, and Dance.			

COMPUTER SCIENCE TECHNOLOGY A.A.S.

Advisors – Ayers Campus: Paulinus Ozor-Ilo (256.835.5464) pozorilo@gadsdenstate.edu; Donna Wood (256.835.5421) dwood@gadsdenstate.edu

Wallace Drive Campus: Billa Burger (256.549.8297) bburger@gadsdenstate.edu; Tim Moore (256.549.8304) tmoore@gadsdenstate.edu

STUDENT PROGRESS

	Grade	Term Completed
Area I – Written Composition:3		
• ENG 101 - English Composition I.....3	_____	_____
Area II - Humanities and Fine Arts:3		
• Humanities/Fine Arts*3	_____	_____
Area III – Natural Sciences and Mathematics:6		
• Mathematics.....3	_____	_____
• Mathematics.....3	_____	_____
(Choose two courses from MTH 100, 112, 113, 120, 125, 126)		
Area IV – History, Social and Behavioral Sciences:.....3		
• Economics, Geography, History, Political Science, Psychology, or Sociology.....3	_____	_____
Area V – Professional, Major and Electives:49		
• BUS 241 - Principles of Accounting I.....3	_____	_____
• BUS 242 - Principles of Accounting II.....3	_____	_____
• BUS 271 - Business Statistics I.....3	_____	_____
• CIS 146 - Microcomputer Applications or higher CIS elective.....3	_____	_____
• CIS 147 - Advanced Micro Applications3	_____	_____
• CIS 171 - Linux I.....3	_____	_____
• CIS 199 - Network Communications OR		
CIS 270 - Cisco CCNA I.....3	_____	_____
• CIS 201 - Introduction to Computer Programming Concepts.....3	_____	_____
• CIS 207 - Web Development.....3	_____	_____
• CIS 208 - Web Authoring Software3	_____	_____
• CIS 212 - Visual BASIC Programming3	_____	_____
• CIS 213 - Advanced Visual BASIC Programming.....3	_____	_____
• CIS 251 - C++ Programming.....3	_____	_____
• CIS 263 - Computer Maintenance.....3	_____	_____
• CIS Approved Elective3	_____	_____
• ORI 101 - Orientation to College1	_____	_____
• SPH 106 - Fundamentals of Oral Communication.....3	_____	_____

Total Hours Required for Degree:.....64

***Note:** Humanities and Fine Arts disciplines include but are not limited to the following: Literature, Ethnic Studies, Art and Art History, Foreign Language Literature, Music and Music History, Philosophy, Ethics, Religious Studies, Theater, and Dance.

SAMPLE SEMESTER PLAN

COMPUTER SCIENCE TECHNOLOGY A.A.S.**Advisors – Ayers Campus**Paulinus Ozor-Ilo (256.835.5464) pozorilo@gadsdenstate.edu; Donna Wood (256.835.5421) dwood@gadsdenstate.edu**Wallace Drive Campus**Billa Burger (256.549.8297) bburger@gadsdenstate.edu; Tim Moore (256.549.8304) tmoore@gadsdenstate.edu

FALL SEMESTER		SPRING SEMESTER	
<u>Course</u>	<u>Credit Hours</u>	<u>Course</u>	<u>Credit Hours</u>
CIS 146: Microcomputer Applications	3	CIS 147: Advanced Micro Applications	3
CIS 207: Web Development	3	CIS 201: Introduction to Computer Programming Concepts	3
CIS 208: Web Authoring Software	3	CIS 212: Visual Basic Programming	3
CIS 263: Computer Maintenance	3	ENG 101: English Composition I	3
MTH 100, 112, 113, 120, 125 or 126	3	MTH 112, 113, 120, 125, or 126	3
ORI 101: Orientation to College	1		
Total Semester Hours	16	Total Semester Hours	15
SUMMER SEMESTER		FALL SEMESTER	
<u>Course</u>	<u>Credit Hours</u>	<u>Course</u>	<u>Credit Hours</u>
*Humanities/Fine Arts: _____	3	BUS 241: Principles of Accounting I	3
		CIS 171: Linux I	3
		CIS 199: Network Communications	
		-OR-	
		CIS 270: Cisco CCNA I	3
		CIS 213: Advanced Visual Basic Programming	3
		CIS Approved Elective: _____	3
Total Semester Hours	3	Total Semester Hours	15
SPRING SEMESTER			
<u>Course</u>	<u>Credit Hours</u>		
BUS 242: Principles of Accounting II	3		
BUS 271: Business Statistics I	3		
CIS 251: C++ Programming	3		
SPH 106: Fundamentals of Oral Communication	3		
History, Social, or Behavioral Science: _____	3		
Total Semester Hours	15		

Total hours required for degree: 64

***Note:** Humanities and Fine Arts disciplines include but are not limited to the following: Literature, Ethnic Studies, Art and Art History, Foreign Language Literature, Music and Music History, Philosophy, Ethics, Religious Studies, Theater, and Dance.

COMPUTER SCIENCE TECHNOLOGY CERTIFICATES

Advisors – Ayers Campus: Paulinus Ozor-Ilo (256.835.5464) pozorilo@gadsdenstate.edu; Donna Wood (256.835.5421) dwood@gadsdenstate.edu

Wallace Drive Campus: Billa Burger (256.549.8297) bburger@gadsdenstate.edu;

Frank Cornutt (256.549.8253) fcornutt@gadsdenstate.edu; Tim Moore (256.549.8304) tmoore@gadsdenstate.edu

	STUDENT PROGRESS	
	Grade	Term Completed
Area I – Written Composition:.....3		
• ENG 101 - English Composition I 3	_____	_____
Area II – Humanities and Fine Arts:0		
Area III – Natural Sciences and Mathematics:3		
• MTH 100 - Intermediate College Algebra OR Higher level Math 3	_____	_____
Area IV – History, Social and Behavioral Sciences:3		
• Economics, Geography, History, Political Science, Psychology, or Sociology 3	_____	_____
Area V – Business Computing Technology22		
• CIS 146 - Microcomputer Applications OR Higher CIS elective 3	_____	_____
• CIS 147 - Advanced Micro Applications 3	_____	_____
• CIS 207 - Web Development 3	_____	_____
• CIS 212 - Visual BASIC Programming 3	_____	_____
• CIS 263 - Computer Maintenance.....3	_____	_____
• CIS Approved Elective.....3	_____	_____
• ORI 101 - Orientation to College 1	_____	_____
• SPH 106 - Fundamentals of Oral Communication 3	_____	_____
Total Hours Required for Certificate:.....31		
Area V – Microcomputer Repair Technology.....22		
• CIS 146 - Microcomputer Applications OR Higher CIS elective 3	_____	_____
• CIS 171 - Linux I.....3	_____	_____
• CIS 199 - Network Communications..... 3	_____	_____
• CIS 263 - Computer Maintenance.....3	_____	_____
• CIS 280 - Network Security 3	_____	_____
• CIS 212 - Visual BASIC Programming 3	_____	_____
• ORI 101 - Orientation to College 1	_____	_____
• SPH 106 - Fundamentals of Oral Communication 3	_____	_____
Total Hours Required for Certificate:.....31		
Area V – Web Development Technology 22		
• CIS 146 - Microcomputer Applications OR Higher CIS elective 3	_____	_____
• CIS 207 - Web Development 3	_____	_____
• CIS 208 - Web Authoring Software..... 3	_____	_____
• CIS 209 - Advanced Web Development..... 3	_____	_____
• CIS 212 - Visual BASIC Programming 3	_____	_____
• CIS 263 - Computer Maintenance.....3	_____	_____
• ORI 101 - Orientation to College 1	_____	_____
• SPH 106 - Fundamentals of Oral Communication 3	_____	_____
Total Hours Required for Certificate:.....31		

SAMPLE SEMESTER PLAN

COMPUTER SCIENCE TECHNOLOGY CERTIFICATES**Advisors – Ayers Campus**Paulinus Ozor-Ilo (256.835.5464) pozorilo@gadsdenstate.edu;Donna Wood (256.835.5421) dwood@gadsdenstate.edu**Wallace Drive Campus**Billa Burger (256.549.8297) bburger@gadsdenstate.edu;Frank Cornutt (256.549.8253) fcornutt@gadsdenstate.edu;Tim Moore (256.549.8304) tmoore@gadsdenstate.edu**BUSINESS COMPUTING TECHNOLOGY**

FALL SEMESTER		SPRING SEMESTER	
<u>Course</u>	<u>Credit Hours</u>	<u>Course</u>	<u>Credit Hours</u>
CIS 146: Microcomputer Applications	3	CIS 147: Advanced Micro Applications	3
CIS 207: Web Development	3	CIS 212: Visual Basic Programming	3
CIS 263: Computer Maintenance	3	CIS Approved Elective: _____	3
ENG 101: English Composition I	3	SPH 106: Fundamentals of Oral Communication	3
MTH 100: Intermediate College Algebra	3	History, Social, or Behavioral Science: _____	3
ORI 101: Orientation to College	1		
Total Semester Hours	16	Total Semester Hours	15

Total hours required for certificate: 31**MICROCOMPUTER REPAIR TECHNOLOGY**

FALL SEMESTER		SPRING SEMESTER	
<u>Course</u>	<u>Credit Hours</u>	<u>Course</u>	<u>Credit Hours</u>
CIS 146: Microcomputer Applications	3	CIS 212: Visual Basic Programming	3
CIS 171: Linux I	3	CIS 280: Network Security	3
CIS 199: Network Communications	3	ENG 101: English Composition I	3
CIS 263: Computer Maintenance	3	SPH 106: Fundamentals of Oral Communication	3
MTH 100: Intermediate College Algebra	3	History, Social, or Behavioral Science: _____	3
ORI 101: Orientation to College	1		
Total Semester Hours	16	Total Semester Hours	15

Total hours required for certificate: 31**WEB DEVELOPMENT TECHNOLOGY**

FALL SEMESTER		SPRING SEMESTER	
<u>Course</u>	<u>Credit Hours</u>	<u>Course</u>	<u>Credit Hours</u>
CIS 146: Microcomputer Applications	3	CIS 209: Advanced Web Development	3
CIS 207: Web Development	3	CIS 212: Visual Basic Programming	3
CIS 208: Web Authoring Software	3	CIS 263: Computer Maintenance	3
ENG 101: English Composition I	3	SPH 106: Fundamentals of Oral Communication	3
MTH 100: Intermediate College Algebra	3	History, Social, or Behavioral Science: _____	3
ORI 101: Orientation to College	1		
Total Semester Hours	16	Total Semester Hours	15

Total hours required for certificate: 31

COMPUTER SCIENCE TECHNOLOGY SHORT-TERM CERTIFICATES

Advisors – Ayers Campus: Paulinus Ozor-Ilo (256.835.5464) pozorilo@gadsdenstate.edu; Donna Wood (256.835.5421) dwood@gadsdenstate.edu

Wallace Drive Campus: Billa Burger (256.549.8297) bburger@gadsdenstate.edu;

Frank Cornutt (256.549.8253) fcornutt@gadsdenstate.edu; Tim Moore (256.549.8304) tmoore@gadsdenstate.edu

	STUDENT PROGRESS	
	Grade	Term Completed
Area V – Business Computing Technology.....12		
• CIS 146 - Microcomputer Applications OR Higher CIS elective 3	_____	_____
• CIS 147 - Advanced Micro Applications..... 3	_____	_____
• CIS 207 - Web Development 3	_____	_____
• CIS 263 - Computer Maintenance 3	_____	_____
Total Hours Required for short-term certificate:.....12		
Area V – Microcomputer Repair Technology.....12		
• CIS 199 - Network Communications..... 3	_____	_____
• CIS 263 - Computer Maintenance.....3	_____	_____
• CIS 171 - Linux I 3	_____	_____
• CIS 280 - Network Security 3	_____	_____
Total Hours Required for short-term certificate:.....12		
Area V – Web Development Technology.....12		
• CIS 207 - Web Development 3	_____	_____
• CIS 208 - Web Authoring Software..... 3	_____	_____
• CIS 209 - Advanced Web Development..... 3	_____	_____
• CIS 212 - Visual BASIC Programming 3	_____	_____
Total Hours Required for short-term certificate:.....12		
Area V - App Development using Swift Coding.....12		
• CIS 157– Introduction to App Development with Swift 3	_____	_____
• CIS 220 - App Development with Swift I..... 3	_____	_____
• CIS 227 - App Development with Swift II..... 3	_____	_____
• ART 253 - Graphic Design I or CIS Approved Elective..... 3	_____	_____
Total Hours Required for short-term certificate:.....12		

These short-term certificate programs are not eligible for Title IV funding. (Pell Grant, SEOG, ASAP)

SAMPLE SEMESTER PLAN

COMPUTER SCIENCE TECHNOLOGY SHORT-TERM CERTIFICATES

Advisors – Ayers CampusPaulinus Ozor-Ilo (256.835.5464) pozorilo@gadsdenstate.edu;Donna Wood (256.835.5421) dwood@gadsdenstate.edu**Wallace Drive Campus**Billa Burger (256.549.8297) bburger@gadsdenstate.edu;Frank Cornutt (256.549.8253) fcornutt@gadsdenstate.edu;Tim Moore (256.549.8304) tmoore@gadsdenstate.edu**BUSINESS COMPUTING TECHNOLOGY**

FALL SEMESTER		SPRING SEMESTER	
<u>Course</u>	<u>Credit Hours</u>	<u>Course</u>	<u>Credit Hours</u>
CIS 146: Microcomputer Applications	3	CIS 147: Advanced Micro Applications	3
CIS 207: Web Development	3	CIS 263: Computer Maintenance	3
Total Semester Hours	6	Total Semester Hours	6

Total hours required for short-term certificate: 12**MICROCOMPUTER REPAIR TECHNOLOGY**

FALL SEMESTER		SPRING SEMESTER	
<u>Course</u>	<u>Credit Hours</u>	<u>Course</u>	<u>Credit Hours</u>
CIS 199: Network Communications	3	CIS 171: Linux I	3
CIS 263: Computer Maintenance	3	CIS 280: Network Security	3
Total Semester Hours	6	Total Semester Hours	6

Total hours required for short-term certificate: 12**WEB DEVELOPMENT TECHNOLOGY**

FALL SEMESTER		SPRING SEMESTER	
<u>Course</u>	<u>Credit Hours</u>	<u>Course</u>	<u>Credit Hours</u>
CIS 207: Web Development	3	CIS 209: Advanced Web Development	3
CIS 208: Web Authoring Software	3	CIS 212: Visual Basic Programming	3
Total Semester Hours	6	Total Semester Hours	6

Total hours required for short-term certificate: 12

SAMPLE SEMESTER PLAN

COMPUTER SCIENCE TECHNOLOGY SHORT-TERM CERTIFICATES CONTINUED

Advisors – Ayers Campus

Paulinus Ozor-Ilo (256.835.5464) pozorilo@gadsdenstate.edu;

Donna Wood (256.835.5421) dwood@gadsdenstate.edu

Wallace Drive Campus

Billa Burger (256.549.8297) bburger@gadsdenstate.edu;

Frank Cornutt (256.549.8253) fcornutt@gadsdenstate.edu;

Tim Moore (256.549.8304) tmoore@gadsdenstate.edu

APP DEVELOPMENT USING SWIFT CODING

FALL SEMESTER		SPRING SEMESTER	
<u>Course</u>	<u>Credit Hours</u>	<u>Course</u>	<u>Credit Hours</u>
ART 253: Graphic Design I	3	CIS 220: App Development with Swift I	3
CIS 157: Intro to App Development with Swift	3		
Total Semester Hours	6	Total Semester Hours	3
SUMMER SEMESTER			
<u>Course</u>	<u>Credit Hours</u>		
CIS 227: App Development with Swift II	3		
Total Semester Hours	3		
Total hours required for short-term certificate: 12			
These short-term certificate programs are not eligible for Title IV funding (Pell Grant, SEOG, ASAP).			
Course offerings may vary by campus each semester; please see your advisor to register for classes.			

CONSTRUCTION TECHNOLOGY-ADVANCED SHORT-TERM CERTIFICATE

(FORMERLY KNOWN AS CARPENTRY)

Advisor – Valley Street Campus: Heath McDaniel, Carpentry Building (256.549.8675) hmcddaniel@gadsdenstate.edu

STUDENT PROGRESS

Grade Term Completed

Required Technical Courses:

- CAR 121 - Introduction to Blueprint Reading.....3
- CAR 132 - Interior and Exterior Finishing.....3
- CAR 203 – Special Projects in Carpentry3
- CAR 204 - Co-Op.....1
- CAR 205 - Co-Op.....2
- CAR 206 - Co-Op.....3
- CAR 224 - Floor, Wall, and Ceiling Specialties.....3
- CAR 226 - Metal Framing3
- CAR 228 - Stairs, Molding, and Trim3
- CAR 230 - Residential Repair and Remodeling.....3
- CAR 232 - Construction Project Management3
- ORT 100 - Orientation for Career Students.....1

Total Hours Required for Certificate: 25

NOTICE(s): For the short-term certificate in Advanced Construction Technology, the student must complete 25 credit hours. All courses must be approved by the advisor. Admission Requirement: The student must be age 17 or older.

This program is offered at the Valley Street Campus only.

CONSTRUCTION TECHNOLOGY -BASIC SHORT-TERM CERTIFICATE

(FORMERLY KNOWN AS CARPENTRY)

Advisor – Valley Street Campus: Heath McDaniel, Carpentry Building (256.549.8675) hmcddaniel@gadsdenstate.edu

STUDENT PROGRESS

Grade Term Completed

Required Courses:

- CAR 111 - Construction Basics.....3
- CAR 112 - Floors, Walls, and Site Prep3
- CAR 113 - Floors, Walls, and Site Prep Lab3
- CAR 114 - Construction Basics Lab3
- CAR 122 - Concrete and Forming3
- CAR 123 - Concrete and Forming Lab3
- CAR 131 - Roof and Ceiling Systems.....3
- CAR 133 - Roofing and Ceiling Systems Lab3
- CAR 204 - Co-Op.....1
- CAR 205 - Co-Op.....2
- CAR 206 - Co-Op.....3
- ORT 100 - Orientation for Career Students.....1

Total Hours Required for Certificate: 25

NOTICE(s): For the short-term certificate in Basic Construction Technology, the student must complete 25 credit hours. All courses must be approved by the advisor. Admission Requirement: The student must be age 17 or older.

This program is offered at the Valley Street Campus only.

SAMPLE SEMESTER PLAN

CONSTRUCTION TECHNOLOGY SHORT-TERM CERTIFICATES

Advisor – Valley Street Campus

Heath McDaniel, Carpentry Building (256.549.8675) hmcddaniel@gadsdenstate.edu**ADVANCED CONSTRUCTION TECHNOLOGY**

FIRST SEMESTER		SECOND SEMESTER	
<u>Course</u>	<u>Credit Hours</u>	<u>Course</u>	<u>Credit Hours</u>
CAR 121: Intro to Blueprint Reading	3	CAR 203: Special Projects in Carpentry	
CAR 132: Interior and Exterior Finishing	3	-OR-	
CAR 224: Floor, Wall, and Ceiling Specialties	3	CAR 205: Special Projects in Carpentry	3
CAR 228: Stairs, Molding, and Trim	3	CAR 226: Metal Framing	3
ORI 101: Orientation to College	1	CAR 230: Residential Repair and Remodeling	3
		CAR 232: Construction Project Management	3
Total Semester Hours	13	Total Semester Hours	12

Total hours required for short-term certificate: 25**BASIC CONSTRUCTION TECHNOLOGY**

FIRST SEMESTER		SECOND SEMESTER	
<u>Course</u>	<u>Credit Hours</u>	<u>Course</u>	<u>Credit Hours</u>
CAR 111: Construction Basics	3	CAR 122: Concrete and Forming	3
CAR 112: Floors, Walls, and Site Prep	3	CAR 123: Concrete and Forming Lab	3
CAR 113: Floors, Walls, and Site Prep Lab	3	CAR 131: Roof and Ceiling Systems	3
CAR 114: Construction Basics Lab	3	CAR 133: Roofing and Ceiling Systems Lab	3
ORI 101: Orientation to College	1		
Total Semester Hours	13	Total Semester Hours	12

Total hours required for short-term certificate: 25

NOTICE(s): For the short-term certificate in Advanced or Basic Construction Technology, the student must complete 25 credit hours. All courses must be approved by the advisor. Admission Requirement: The student must be age 17 or older.

This program is offered at the Valley Street Campus only.

COURT REPORTING—BROADCAST CAPTIONING SPECIALIZATION A.A.S. (FORMERLY KNOWN AS REALTIME REPORTING)

Advisors – East Broad Campus: Leah Elkins, Realtime Reporting Building (256.549.8693) lelkins@gadsdenstate.edu;
Michelle Roberts, Realtime Reporting Building (256-549-8629) mroberts@gadsdenstate.edu; Brooke Davis, Realtime
Reporting Building (256.549-8694) brookedavis@gadsdenstate.edu

STUDENT PROGRESS

	<u>Grade</u>	<u>Term Completed</u>
Area I—Written Composition: 6		
• ENG 101 - English Composition I3	_____	_____
• * ENG 131 - Applied Writing I3	_____	_____
Area II—Humanities and Fine Arts: 3		
• Humanities/Fine Arts**3	_____	_____
Area III—Natural Science or Mathematics:..... 6		
• * BIO 120 - Medical Terminology3	_____	_____
• MTH 100 - Intermediate College Algebra OR numerically higher.....3	_____	_____
Area IV—History, Social and Behavioral Sciences:..... 3		
• Economics, Geography, History, Political Science, Psychology, or Sociology.....3	_____	_____
Area V—Technical Courses:..... 18		
• * RTR 110 - Realtime Reporting I / Laboratory.....5	_____	_____
• * RTR 130 - Realtime Reporting II / Laboratory.....5	_____	_____
• * RTR 131 - Civil and Criminal Law and Terminology for Real Time Reporters.....3	_____	_____
• * RTR 150 - Realtime Reporting III / Laboratory.....5	_____	_____
Additional Coursework: 39		
• * ORI 101 - Orientation to College.....1	_____	_____
• * RTR 115 – Realtime Reporting Technology3	_____	_____
• * RTR 171 - Broadcast Captioning I/Laboratory5	_____	_____
• * RTR 172 - Broadcast Captioning II/Laboratory5	_____	_____
• * RTR 173 - Broadcast Captioning III/Laboratory5	_____	_____
• * RTR 175 - Realtime Closed Captioning Technology II2	_____	_____
• * RTR 226 - Judicial Procedures.....3	_____	_____
• RTR 227 - Moot Court Practicum I.....5	_____	_____
• * RTR 230 – Realtime Applications2	_____	_____
• RTR 257 - Moot Court Practicum II.....5	_____	_____
• * RTR 292 - Broadcast Captioning Internship3	_____	_____
• RTR 184-189 Realtime Lab I-VI (Electives).....2	_____	_____
• RTR 295-299 Selected Topics in RTR (Electives)5	_____	_____

***Required Courses**

Total Hours Required for Degree:..... 75

NOTICE(s): *Required by NCRA For the AAS Degree in Broadcast Captioning, the student must complete a minimum of 75 credit hours—a minimum of 57 in technical courses and a minimum of 18 in general education courses—all of which must be approved by the program advisor. Courses will be selected from those listed above.

Admission Requirements: High school diploma or GED, a minimum score of 5 on the English portion and a minimum score of 70 on the reading portion of the ACCUPLACER Placement Test.

This program is offered at the East Broad Campus only.

****Note:** Humanities and Fine Arts disciplines include but are not limited to the following: Literature, Ethnic Studies, Art and Art History, Foreign Language Literature, Music and Music History, Philosophy, Ethics, Religious Studies, Theater, and Dance.

SAMPLE SEMESTER PLAN

COURT REPORTING—BROADCAST CAPTIONING SPECIALIZATION A.A.S.

Advisors – East Broad Campus

Leah Elkins, Realtime Reporting Building (256.549.8693) lelkins@gadsdenstate.edu;
Michelle Roberts, Realtime Reporting Building (256-549-8629) mroberts@gadsdenstate.edu;
Brooke Davis, Realtime Reporting Building (256.549-8694) brookedavis@gadsdenstate.edu

FIRST SEMESTER		SECOND SEMESTER	
Course	Credit Hours	Course	Credit Hours
RTR 110: Realtime Reporting I/Lab	5	RTR 130: Realtime Reporting II/Lab	5
RTR 184: Realtime Lab (Elective) ¹	2	RTR 185: Realtime Lab (Elective) ¹	2
ENG 131: Applied Writing I	3	ENG 101: English Composition	3
*Humanities/Fine Arts: _____	3	Economics, Geography, History, Political Science, Psychology, or Sociology: _____	3
ORI 101: Orientation to College	1		
Total Semester Hours	12-14	Total Semester Hours	11-13
THIRD SEMESTER		FOURTH SEMESTER	
Course	Credit Hours	Course	Credit Hours
RTR 131: Criminal/Civil Lab & Terminology	3	RTR 115: Realtime Reporting Technology	3
RTR 150: Realtime Reporting III/Lab	5	RTR 171: Broadcast Captioning I/Lab	5
RTR 186: Realtime Lab (Elective) ¹	2	RTR 187: Realtime Lab (Elective) ¹	2
BIO 120: Medical Terminology	3	RTR 226: Judicial Procedures	3
MTH 100: Intermediate College Algebra or numerically higher	3	RTR 230: Realtime Applications	2
Total Semester Hours	14-16	Total Semester Hours	11-15
FIFTH SEMESTER		SIXTH SEMESTER	
Course	Credit Hours	Course	Credit Hours
RTR 172: Broadcast Captioning II/Lab	5	RTR 173: Broadcast Captioning III/Lab	5
RTR 175: Realtime Closed Captioning Technology II	2	RTR 189: Realtime Lab (Elective) ¹	2
RTR 188: Realtime Lab (Elective) ¹	2	RTR 257: Moot Court Practicum II	5
RTR 227: Moot Court Practicum I	5	RTR 292: Broadcast Captioning Internship	3
Total Semester Hours	12-14	Total Semester Hours	13-15

Total hours required for degree: 75

NOTICE(s): *Required by NCRA For the AAS Degree in Broadcast Captioning, the student must complete a minimum of 75 credit hours—a minimum of 57 in technical courses and a minimum of 18 in general education courses—all of which must be approved by the program advisor. Courses will be selected from those listed above. Admission Requirements: High school diploma or GED, a minimum score of 5 on the English portion and a minimum score of 70 on the reading portion of the ACCUPLACER Placement Test. **This program is offered at the East Broad Campus only.**

1. RTR 295-299 Selected Topics (Elective) as needed.

*Note: Humanities and Fine Arts disciplines include but are not limited to the following: Literature, Ethnic Studies, Art and Art History, Foreign Language Literature, Music and Music History, Philosophy, Ethics, Religious Studies, Theater, and Dance.

COURT REPORTING A.A.S.

(FORMERLY KNOWN AS REALTIME REPORTING)

Advisors – East Broad Campus: Leah Elkins, Realtime Reporting Building (256.549.8693) lelkins@gadsdenstate.edu; Michelle Roberts, Realtime Reporting Building (256-549-8629) mroberts@gadsdenstate.edu; Brooke Davis, Realtime Reporting Building (256.549-8694) brookedavis@gadsdenstate.edu

	STUDENT PROGRESS	
	Grade	Term Completed
Area I—Written Composition: 6		
• ENG 101 - English Composition I 3	_____	_____
• * ENG 131 - Applied Writing I 3	_____	_____
Area II—Humanities and Fine Arts: 3		
• Humanities/Fine Arts** 3	_____	_____
Area III—Natural Science or Mathematics:..... 6		
• * BIO 120 - Medical Terminology 3	_____	_____
• MTH 100 - Intermediate College Algebra OR numerically higher..... 3	_____	_____
Area IV—History, Social and Behavioral Sciences:..... 3		
• Economics, Geography, History, Political Science, Psychology, or Sociology 3	_____	_____
Area V—Technical Courses:..... 18		
• * RTR 110 - Realtime Reporting I / Laboratory 5	_____	_____
• * RTR 130 - Realtime Reporting II / Laboratory 5	_____	_____
• * RTR 131 - Civil and Criminal Law and Terminology for Real Time Reporters..... 3	_____	_____
• * RTR 150 - Realtime Reporting III / Laboratory 5	_____	_____
Additional Coursework:..... 39		
• * ORI 101 - Orientation to College 1	_____	_____
• * RTR 115 - Realtime Reporting Technology 3	_____	_____
• * RTR 210 - Realtime Reporting IV / Laboratory..... 5	_____	_____
• RTR 220 - Realtime Reporting V / Laboratory 5	_____	_____
• * RTR 226 - Judicial Procedures..... 3	_____	_____
• * RTR 227 - Moot Court Practicum I 5	_____	_____
• * RTR 230 – Realtime Application..... 2	_____	_____
• * RTR 257 - Moot Court Practicum II 5	_____	_____
• * RTR 270 - Realtime Reporting VI / Laboratory..... 5	_____	_____
• * RTR 275 - Realtime Reporting Internship 2	_____	_____
• RTR 184-189 Realtime Lab I-VI (Electives)..... 2	_____	_____
• RTR 295-299 Selected Topics in RTR (Electives) 5	_____	_____
*Required Courses		
Total Hours Required for Degree:..... 75		

Notice(s): *Required by NCRA For the A.A.S. Degree in Court Reporting, the student must complete a minimum of 75 credit hours – a minimum of 57 in technical courses and a minimum of 18 in general education courses – all of which must be approved by the program advisor. Courses will be selected from those listed above. Admission Requirements: High school diploma or GED, a minimum score of 5 on the English portion and a minimum score of 70 on the reading portion of the ACCUPLACER Placement Test.

This program is offered at the East Broad Campus only.

****Note:** Humanities and Fine Arts disciplines include but are not limited to the following: Literature, Ethnic Studies, Art and Art History, Foreign Language Literature, Music and Music History, Philosophy, Ethics, Religious Studies, Theater, and Dance.

SAMPLE SEMESTER PLAN

COURT REPORTING A.A.S.**Advisors – East Broad Campus**

Leah Elkins, Realtime Reporting Building (256.549.8693) lelkins@gadsdenstate.edu;
 Michelle Roberts, Realtime Reporting Building (256-549-8629) mroberts@gadsdenstate.edu;
 Brooke Davis, Realtime Reporting Building (256.549-8694) brookedavis@gadsdenstate.edu

FIRST SEMESTER		SECOND SEMESTER	
<u>Course</u>	<u>Credit Hours</u>	<u>Course</u>	<u>Credit Hours</u>
RTR 110: Realtime Reporting I/Lab	5	RTR 130: Realtime Reporting II/Lab	5
RTR 184: Realtime Lab (Elective) ¹	2	RTR 185: Realtime Lab (Elective) ¹	2
ENG 131: Applied Writing I	3	ENG 101: English Composition	3
*Humanities/Fine Arts: _____	3	Economics, Geography, History, Political	
ORI 101: Orientation to College	1	Science, Psychology, or Sociology: _____	3
Total Semester Hours	12-14	Total Semester Hours	11-13
THIRD SEMESTER		FOURTH SEMESTER	
<u>Course</u>	<u>Credit Hours</u>	<u>Course</u>	<u>Credit Hours</u>
RTR 131: Criminal/Civil Lab & Terminology	3	RTR 115: Realtime Reporting Technology	3
RTR 150: Realtime Reporting III/Lab	5	RTR 187: Realtime Lab (Elective) ¹	2
RTR 186: Realtime Lab (Elective) ¹	2	RTR 210: Realtime Reporting IV/Lab	5
BIO 120: Medical Terminology	3	RTR 226: Judicial Procedures	3
MTH 100: Intermediate College Algebra or numerically higher	3	RTR 230: Realtime Applications	2
Total Semester Hours	10-12	Total Semester Hours	11-15
FIFTH SEMESTER		SIXTH SEMESTER	
<u>Course</u>	<u>Credit Hours</u>	<u>Course</u>	<u>Credit Hours</u>
RTR 188: Realtime Lab (Elective) ¹	2	RTR 189: Realtime Lab (Elective) ¹	2
RTR 220: Realtime Reporting V/Lab	5	RTR 257: Moot Court Practicum II	5
RTR 227: Moot Court Practicum I	5	RTR 270: Realtime Reporting VI/Lab	5
		RTR 275: Realtime Reporting Internship	2
Total Semester Hours	10-12	Total Semester Hours	12-14

Total hours required for degree: 75

Notice(s): *Required by NCRA For the A.A.S. Degree in Court Reporting, the student must complete a minimum of 75 credit hours – a minimum of 57 in technical courses and a minimum of 18 in general education courses – all of which must be approved by the program advisor. Courses will be selected from those listed above. Admission Requirements: High school diploma or GED, a minimum score of 5 on the English portion and a minimum score of 70 on the reading portion of the ACCUPLACER Placement Test. **This program is offered at the East Broad Campus only.**

1. RTR 295-299 Selected Topics (Elective) as needed.

***Note:** Humanities and Fine Arts disciplines include but are not limited to the following: Literature, Ethnic Studies, Art and Art History, Foreign Language Literature, Music and Music History, Philosophy, Ethics, Religious Studies, Theater, and Dance.

COURT REPORTING —LITIGATION ASSISTANT SHORT-TERM CERTIFICATE

(FORMERLY KNOWN AS REALTIME REPORTING)

Advisors – East Broad Campus: Leah Elkins, Realtime Reporting Building (256.549.8693) lelkins@gadsdenstate.edu;
Michelle Roberts, Realtime Reporting Building (256.549.8629) mroberts@gadsdenstate.edu ; Brooke Davis, Realtime
Reporting Building (256.549-8694) brookedavis@gadsdenstate.edu

STUDENT PROGRESS

	<u>Grade</u>	<u>Term Completed</u>
Required Courses:		
• RTR 110 - Realtime Reporting I / Laboratory5	_____	_____
• RTR 115 - Realtime Reporting Technology3	_____	_____
• RTR 130 - Realtime Reporting II / Laboratory5	_____	_____
• RTR 131 - Civil and Criminal Law and Terminology for Real Time Reporters3	_____	_____
• RTR 230 – Realtime Application2	_____	_____
• BIO 120 - Medical Terminology3	_____	_____
• ENG 131 - Applied Writing I3	_____	_____
• ORI 101 - Orientation to College or Elective1	_____	_____
Total Hours Required for Certificate:..... 25		

NOTICE(s): For the short-term certificate as Court Reporting Litigation Assistant, the student must complete the 25 credit hours from the courses listed above. All courses must be approved by the advisor. Admission Requirements: High school diploma or GED, a minimum score of 5 on the English portion and a minimum score of 70 on the reading portion of the ACCUPLACER Placement Test.

This program is offered at the East Broad Campus only.

SAMPLE SEMESTER PLAN

COURT REPORTING—LITIGATION ASSISTANT SHORT-TERM CERTIFICATE

Advisors – East Broad Campus

Leah Elkins, Realtime Reporting Building (256.549.8693) lelkins@gadsdenstate.edu;
Michelle Roberts, Realtime Reporting Building (256-549-8629) mroberts@gadsdenstate.edu;
Brooke Davis, Realtime Reporting Building (256.549-8694) brookedavis@gadsdenstate.edu

FIRST SEMESTER		SECOND SEMESTER	
<u>Course</u>	<u>Credit Hours</u>	<u>Course</u>	<u>Credit Hours</u>
RTR 110: Realtime Reporting I/Lab	5	RTR 130: Realtime Reporting II/Lab	5
ENG 131: Applied Writing I	3	ORI 101: Orientation to College	1
Total Semester Hours	8	Total Semester Hours	6
THIRD SEMESTER		FOURTH SEMESTER	
<u>Course</u>	<u>Credit Hours</u>	<u>Course</u>	<u>Credit Hours</u>
RTR 131: Criminal/Civil Lab & Terminology	3	RTR 115: Realtime Reporting Technology	3
BIO 120: Medical Terminology	3	RTR 230: Realtime Applications	2
Total Semester Hours	6	Total Semester Hours	5
Total hours required for short-term certificate: 25			
NOTICE(s): For the short-term certificate as Court Reporting Litigation Assistant, the student must complete the 25 credit hours from the courses listed above. All courses must be approved by the advisor. Admission Requirements: High school diploma or GED, a minimum score of 5 on the English portion and a minimum score of 70 on the reading portion of the ACCUPLACER Placement Test.			
This program is offered at the East Broad Campus only.			

DIAGNOSTIC MEDICAL SONOGRAPHY A.A.S.

Advisor - Valley Street Campus: Rebecca Southern (256.439.6885), rsouthern@gadsdenstate.edu

STUDENT PROGRESS

	<u>Grade</u>	<u>Term Completed</u>
Area I – Written Composition:.....3		
• ENG 101 - English Composition I.....3	_____	_____
Area II – Humanities and Fine Arts:.....3		
• Humanities/Fine Arts*3	_____	_____
Area III – Natural Sciences and Mathematics:.....11		
• BIO 201 - Human Anatomy and Physiology I.....4	_____	_____
• MTH 100 - Intermediate College Algebra.....3	_____	_____
• PHY 115 – Technical Physics.....4	_____	_____
Area IV – History, Social and Behavioral Sciences:.....3		
• PSY 200 – General Psychology3	_____	_____
Area V – Professional, Major, & Elective Courses:.....56		
• DMS 202 – Foundations of Sonography3	_____	_____
• DMS 204 – Sectional Anatomy2	_____	_____
• DMS 205 – Abdominal Sonography.....4	_____	_____
• DMS 206 – Gynecologic Sonography.....4	_____	_____
• DMS 207 – Abdominal Pathology.....3	_____	_____
• DMS 216 – Sonographic Principles & Instrumentation I3	_____	_____
• DMS 220 – Obstetrical Sonography I.....3	_____	_____
• DMS 221 – Obstetrical Sonography II.....3	_____	_____
• DMS 225 – Superficial Sonography1	_____	_____
• DMS 229 – Sonography Preceptorship I.....2	_____	_____
• DMS 230 – Sonography Preceptorship II.....3	_____	_____
• DMS 231 – Sonography Preceptorship III.....4	_____	_____
• DMS 232 – Sonography Preceptorship IV.....5	_____	_____
• DMS 233 - Sonography Lab I1	_____	_____
• DMS 240 – Sonography Principles & Instrumentation Seminar2	_____	_____
• DMS 241 – Abdominal and OB/GYN Sonography Seminar3	_____	_____
• DMS 260 – Into to Vascular Sonography.....3	_____	_____
• DMS 261 - Vascular Sonography Techniques3	_____	_____
• ORI 101 - Orientation to College.....1	_____	_____
• SPH 106 – Fundamentals of Oral Communication3	_____	_____

Total Hours Required for Degree.....76

***Note:** Humanities and Fine Arts disciplines include but are not limited to the following: Literature, Ethnic Studies, Art and Art History, Foreign Language Literature, Music and Music History, Philosophy, Ethics, Religious Studies, Theater, and Dance.

Admission Requirements:

- Must be in good standing with the College
- Must maintain a "C" or better on all general and Pre-DMS courses. If courses were repeated, the highest grade for the course will be used.
- Students must have at least a 2.5/4.0 GPA on general education courses.
- Applicants must have an ACT composite score of 18 or higher.
- Student must pass a criminal background check and drug test.
- Applicants must be 18 years of age (Alabama Regulations for Control of Radiation Rule 420-3-03(6). Occupational Radiation Dose limits states that all occupational workers employing ionizing radiation must be at least 18 years of age.
- Applicants must meet the essential functions required by the DMS program.

SAMPLE SEMESTER PLAN

DIAGNOSTIC MEDICAL SONOGRAPHY A.A.S.

Advisor - Valley Street Campus

Rebecca Southern (256.439.6885), rsouthern@gadsdenstate.edu

PRE-DMS COURSES		FALL SEMESTER	
Course	Credit Hours	Course	Credit Hours
BIO 201: Human Anatomy and Physiology I	4	DMS 202: Foundations of Sonography	3
ENG 101: English Composition I	3	DMS 204: Sectional Anatomy	2
*Humanities/Fine Arts : _____	3	DMS 205: Abdominal Sonography	4
MTH 100: Intermediate College Algebra	3	DMS 216: Sonographic Principles and Instrumentation I	3
ORI 101: Orientation to College	1	DMS 225: Superficial Sonography	1
PHY 115: Technical Physics	4	DMS 229: Sonography Preceptorship I	2
PSY 200: General Psychology	3		
SPH 106: Fundamentals of Oral Communication	3		
Total Semester Hours	24	Total Semester Hours	15
SPRING SEMESTER		SUMMER SEMESTER	
Course	Credit Hours	Course	Credit Hours
DMS 206: Gynecologic Sonography	4	DMS 221: Obstetrical Sonography II	3
DMS 207: Abdominal Pathology	3	DMS 231: Sonography Preceptorship III	4
DMS 220: Obstetrical Sonography I	3	DMS 233: Sonography Lab I	1
DMS 230: Sonography Preceptorship II	3	DMS 240: Sonography Principles & Instrumentation Seminar	2
DMS 260: Intro to Vascular Sonography	3		
Total Semester Hours	16	Total Semester Hours	10
FALL SEMESTER			
Course	Credit Hours		
DMS 232: Sonography Preceptorship IV	5		
DMS 241: Abdominal and OB/GYN Sonography Seminar	3		
DMS 261: Vascular Sonography Techniques	3		
Total Semester Hours	11		
Total hours required for degree: 76			
<p>*Note: Humanities and Fine Arts disciplines include but are not limited to the following: Literature, Ethnic Studies, Art and Art History, Foreign Language Literature, Music and Music History, Philosophy, Ethics, Religious Studies, Theater, and Dance.</p> <p><u>Admission Requirements:</u></p> <ul style="list-style-type: none">• Must be in good standing with the College• Must maintain a “C” or better on all general and Pre-DMS courses. If courses were repeated, the highest grade for the course will be used.• Students must have at least a 2.5/4.0 GPA on general education courses.• Applicants must have an ACT composite score of 18 or higher.• Student must pass a criminal background check and drug test.• Applicants must be 18 years of age (Alabama Regulations for Control of Radiation Rule 420-3-03(6). Occupational Radiation Dose limits states that all occupational workers employing ionizing radiation must be at least 18 years of age.• Applicants must meet the essential functions required by the DMS program.			

DIESEL TECHNOLOGY CERTIFICATE

Advisor – Ayers Campus: Stephan Stuelp, Diesel Building, (256.835.5419) sstuelp@gadsdenstate.edu

STUDENT PROGRESS

	<u>Grade</u>	<u>Term Completed</u>
Area I—Written Composition:3		
• ENG 100 - Vocational Technical English I OR		
ENG 101 - English Composition I.....3	_____	_____
Area II—Humanities and Fine Arts:0		
Area III—Natural Science or Mathematics:.....3		
• MAH 101 - Introductory Mathematics I OR		
MTH 100 - Intermediate College Algebra or		
numerically higher OR		
DEM 100 - Introduction to Applied Technologies.....3	_____	_____
Area IV—History, Social, and Behavioral Sciences:0		
Area V—Technical Courses:19		
Courses listed below are required.		
• DEM 104 - Basic Engines.....3	_____	_____
• DEM 105 – Preventive Maintenance.....3	_____	_____
• DEM 122 - Heavy Vehicle Brakes.....3	_____	_____
• DEM 124 - Electronic Engine Systems.....3	_____	_____
• DEM 125 - Heavy Vehicle Drive Trains.....3	_____	_____
• DEM 130 - Electrical/Electronic Fundamentals.....3	_____	_____
• ORT 100 - Orientation for Career Students.....1	_____	_____
Additional Coursework:31		
• DEM 111 - Equipment Safety / Mechanical Fundamentals.....3	_____	_____
• DEM 119 - Bearings and Lubricants.....3	_____	_____
• DEM 123 – Pneumatics and Hydraulics.....3	_____	_____
• DEM 127 – Fuel Systems.....3	_____	_____
• DEM 128 - Heavy Vehicle Drive Train Lab.....3	_____	_____
• DEM 129 - Diesel Engine Lab.....3	_____	_____
• DEM 134 - Computer Controlled Engine and Power		
Train Systems.....3	_____	_____
• DEM 135 - Heavy Vehicle Steering and Suspension Systems.....3	_____	_____
• DEM 137 - Heating, A/C, and Refrigeration Systems.....3	_____	_____
• DEM 145 - Electrical Schematics and Symbols.....3	_____	_____
• DEM 154 - Vehicle Maintenance & Safe Operating Practices.....3	_____	_____
• DEM 180 - Special Projects in Commercial Vehicles.....3	_____	_____
• DEM 181 – Special Topics in Electrical.....3	_____	_____
• DEM 182 – Special Topics in Engines.....3	_____	_____
• DEM 183 – Special Topics in Power Train.....3	_____	_____
• DEM 184 - Special Topics in Heavy Duty Brakes,		
Steering, and Suspension.....3	_____	_____
• DEM 186 - Special Projects in Commercial Vehicles.....3	_____	_____

DIESEL TECHNOLOGY CERTIFICATE continued

STUDENT PROGRESS

	<u>Grade</u>	<u>Term Completed</u>
• DEM 187 - Industrial Safety.....1	_____	_____
• DEM 191 -Special Projects in Diesel Mechanics.....3	_____	_____
• DEM 192 - Co-Op Elective.....3	_____	_____
• DEM 196 - Co-Op Elective.....1	_____	_____
• DEM 196A - Co-Op Elective.....1	_____	_____
• DEM 197 - Co-Op Elective.....2	_____	_____
• DPT 100 - Introductory Computer Skills I OR		
CIS 146 - Microcomputer Applications.....3	_____	_____
• SPC 103 - Oral Communication Skills OR		
SPH 106 - Fundamentals of Oral Communication.....3	_____	_____

Total Hours Required for Certificate:.....56

NOTICE(s): For the certificate in Diesel Mechanics, the student must complete a minimum of 56 credit hours—50 in technical courses and a minimum of 6 hours in general education courses—all of which must be approved by the advisor. Required courses may vary to provide options and to meet student needs. Courses will be selected from those listed above. Admission Requirement: The student must be 17 or older.

This program is offered at the Ayers Campus only.

This program is a Gainful Employment Program. Information on the graduation rate, award type, average loan debt, number of students borrowing money, and the cost and length of this program can be found at: <http://www.gadsdenstate.edu/sites/default/files/u21/47.0605-Diesel%20Technology.pdf>.

SAMPLE SEMESTER PLAN

DIESEL TECHNOLOGY CERTIFICATE

Advisor – Ayers Campus

Stephan Stuelp, Diesel Building, (256.835.5419) sstuelp@gadsdenstate.edu

FIRST SEMESTER		SECOND SEMESTER	
<u>Course</u>	<u>Credit Hours</u>	<u>Course</u>	<u>Credit Hours</u>
DEM 104: Basic Engines	3	DEM 122: Heavy Vehicle Brakes	3
DEM 105: Preventive Maintenance	3	DEM 123: Pneumatics and Hydraulics	3
DEM 111: Equipment Safety/Mechanical Fundamentals	3	DEM 125: Heavy Vehicle Drive Trains	3
DEM 129: Diesel Engine Lab	3	DEM 135: Heavy Vehicle Steering and Suspension Systems	3
DEM 145: Electrical Schematics and Symbols	3	DEM 184: Special Topics in Heavy Duty Brakes, Steering and Suspension	3
DEM 154: Vehicle Maintenance and Safe Operating Practices	3	DEM 187: Industrial Safety	1
ORT 100: Orientation for Career Students	1	ENG 100: Vocational Technical English	3
Total Semester Hours	19	Total Semester Hours	19
THIRD SEMESTER			
<u>Course</u>	<u>Credit Hours</u>		
DEM 124: Electronic Engine Systems	3		
DEM 130: Electrical/Electronic Fundamentals	3		
DEM 137: Heating, A/C, and Refrigeration Systems	3		
DEM 180: Special Projects in Commercial Vehicles	3		
DEM 181: Special Topics in Electrical	3		
MAH 101: Introductory Mathematics			
-OR-			
MTH 100: Intermediate College Algebra or numerically higher			
-OR-			
DEM 100: Introduction to Applied Technologies	3		
Total Semester Hours	18		
Total hours required for certificate: 56			
NOTICE(s): For the certificate in Diesel Mechanics, the student must complete a minimum of 56 credit hours—50 in technical courses and a minimum of 6 hours in general education courses—all of which must be approved by the advisor. Required courses may vary to provide options and to meet student needs. Courses will be selected from those listed above. Admission Requirement: The student must be 17 or older.			
This program is offered at the Ayers Campus only.			

ELECTRICAL TECHNOLOGY A.A.S.

Advisors – Ayers Campus: Tony Thrower, Electricity Building (256.835.5441) tthrower@gadsdenstate.edu;

East Broad Campus: Debbie Reynolds, Electrical Building (256.549.8631) dreynolds@gadsdenstate.edu

STUDENT PROGRESS

	Grade	Term Completed
Area I — Written Composition:3		
• ENG 101 - English Composition I 3	_____	_____
Area II — Humanities and Fine Arts:3		
• Humanities/Fine Arts** 3	_____	_____
Area III — Natural Science or Mathematics:6		
• INT 104 - Principles of Technology 3	_____	_____
• MTH 100 - Intermediate College Algebra OR numerically higher 3	_____	_____
Area IV — History, Social and Behavioral Sciences:3		
• Economics, Geography, History, Political Science, Psychology, or Sociology 3	_____	_____
Area V - Technical Courses:28		
Courses listed below are required.		
• EET 100 - Introduction to Engineering Technologies..... 3	_____	_____
• EET 109 - Electrical Blueprint Reading I 3	_____	_____
• ELT 110 - Wiring Methods OR EET 192 - Installation Practices 3	_____	_____
• ELT 231 - Introduction to Programmable Controllers OR INT 184 – Introduction to Programmable Logic Controllers..... 3	_____	_____
• INT 101 - DC Fundamentals OR EET 103 - DC Fundamentals 3	_____	_____
• INT 103 - AC Fundamentals OR EET 104 - AC Fundamentals 3	_____	_____
• INT 113 - Industrial Motor Control I 3	_____	_____
• INT 117 - Principles of Industrial Mechanics 3	_____	_____
• INT 118 - Fundamentals of Industrial Hydraulics and Pneumatics 3	_____	_____
• ORI 101 - Orientation to College..... 1	_____	_____
Additional Coursework:33		
• CIS 146 - Microcomputer Applications 3	_____	_____
• * ELT 114 - Residential Wiring Methods 3	_____	_____
• * ELT 115 - Residential Wiring Methods II 3	_____	_____
• * ELT 117 - AC/DC Machines OR INT 206 - Industrial Motors I 3	_____	_____
• * ELT 118 - Commercial/Industrial Wiring I OR INT 158 - Industrial Wiring I 3	_____	_____
• * ELT 122 - Advanced AC/DC Machines OR INT 211 - Industrial Motors II 3	_____	_____

ELECTRICAL TECHNOLOGY A.A.S. continued

	STUDENT PROGRESS	
	Grade	Term Completed
• ELT 181 - Special Topics in Electrical Technology	_____	_____
• ELT 182 - Special Topics in Electrical Technology	_____	_____
• ELT 183 - Special Topics in Electrical Technology- NCCER Certification	_____	_____
• ELT 192 - Practicum/Intern/Co-op	_____	_____
• ELT 194 - Practicum/Intern/Co-op	_____	_____
• ELT 206 - OSHA Safety Standards	_____	_____
• ELT 212 - Motor Controls II	_____	_____
• ELT 232 - Advanced Programmable Controllers	_____	_____
• ELT 234 - PLC Applications	_____	_____
• ELT 241 - National Electric Code	_____	_____
• ELT 242 - Journeyman Master Prep Exam	_____	_____
• ELT 244 - Conduit Bending and Installation	_____	_____
• ELT 288 - Co-Op	_____	_____
• ACR 111 - Principles of Refrigeration	_____	_____
• ACR 113 - Refrigeration Piping Practices	_____	_____
• ACR 126 - Commercial Heating Systems	_____	_____
• ACR 148 - Heat Pump Systems I	_____	_____
• ACR 200 - Review for Contractors Exam	_____	_____
• EET 114 - Concepts of Solid State Electronics	_____	_____
• EET 115 - Concepts of Digital Electronics	_____	_____
• EET 119 - Circuit Fabrication I	_____	_____
• EET 207 - Intro to Robotics	_____	_____
• EET 212 - Intro to Robotics Lab	_____	_____
• EET 213 - Process Control and Instrumentation	_____	_____
• EET 224 - Elements of Industrial Controls with PLCs	_____	_____
• EET 229 - Elements of Industrial Controls with PLCs Lab	_____	_____
• EET 238 - Process Control and Instrumentation Lab	_____	_____
• INT 126 - Preventive Maintenance	_____	_____
• INT 127 - Principles of Industrial Pumps and Piping Systems	_____	_____
• INT 134 - Principles of Industrial Maintenance Welding and Metal Cutting Techniques	_____	_____
• INT 139 - Introduction to Robotic Programming	_____	_____
• INT 253 - Industrial Robotics	_____	_____
• INT 254 - Robot Maintenance and Troubleshooting OR ELT 254 - Robot Maintenance and Troubleshooting	_____	_____
• MDT 105 - Introduction to Computer-Aided Design (CAD) OR DDT 104 - Basic Computer Aided Drafting and Design	_____	_____
• SPH 106 - Fundamentals of Oral Communication	_____	_____

*Required Courses

Total Hours Required for Degree:76

NOTICE(s): For the A.A.S. Degree in Industrial Automation Technology, Electrical Technology Specialty, the student must complete a minimum of 76 credit hours—a minimum of 61 in technical courses and a minimum of 15 in general education courses—all of which must be approved by the advisor. A maximum of 9 credit hours of technical electives may be selected from any approved area of Engineering Technology programs with prior written approval from the student's major advisor. Technical courses may vary to meet student needs and to provide options. Admission Requirements: High school diploma or GED.

The student is responsible for verifying the transferability of credit in this program to a senior institution with the appropriate senior institution advisor.

****Note:** Humanities and Fine Arts disciplines include but are not limited to the following: Literature, Ethnic Studies, Art and Art History, Foreign Language Literature, Music and Music History, Philosophy, Ethics, Religious Studies, Theater, and Dance.

SAMPLE SEMESTER PLAN

ELECTRICAL TECHNOLOGY A.A.S.**Advisors – Ayers Campus**Tony Thrower, Electricity Building (256.835.5441) tthrower@gadsdenstate.edu**East Broad Campus**Debbie Reynolds, Electrical Building (256.549.8631) dreynolds@gadsdenstate.edu

FIRST SEMESTER		SECOND SEMESTER	
<u>Course</u>	<u>Credit Hours</u>	<u>Course</u>	<u>Credit Hours</u>
ELT 110: Wiring Methods	3	ELT 114: Residential Wiring Methods	3
ELT 183: Special Topics in Electrical Technology	3	ELT 115: Residential Wiring Methods II	3
EET 100: Introduction to Engineering Technologies	3	ELT 117: AC/DC Machines	3
EET 109: Electrical Blueprint Reading I	3	ELT 122: Advanced AC/DC Machines	3
ELT, INT, EET, or ACR Elective: _____	3	ELT, INT, EET, or ACR Elective: _____	3
ORI 101: Orientation to College	1		
Total Semester Hours	16	Total Semester Hours	15
THIRD SEMESTER		FOURTH SEMESTER	
<u>Course</u>	<u>Credit Hours</u>	<u>Course</u>	<u>Credit Hours</u>
ELT 118: Commercial/Industrial Wiring I	3	ELT 231: Introduction to Programmable Controllers	3
ELT 182: Special Topics in Electrical Technology	3	ELT 232: Advanced Programmable Controllers	3
INT 101: DC Fundamentals	3	INT 103: AC Fundamentals (DC First)	3
INT 113: Industrial Motor Control I	3	INT 104: Principles of Technology	3
MTH 100: Intermediate College Algebra or numerically higher	3	ENG 101: English Composition I	3
Total Semester Hours	15	Total Semester Hours	15
FIFTH SEMESTER			
<u>Course</u>	<u>Credit Hours</u>		
INT 117: Principles of Industrial Mechanics	3		
INT 118: Fundamentals of Industrial Hydraulics and Pneumatics	3		
ELT, INT, EET, or ACR Elective: _____	3		
Economy, Geography, History, Political Science, Psychology, or Sociology: _____	3		
*Humanities/Fine Arts: _____	3		
Total Semester Hours	15		
Total hours required for degree: 76			
NOTICE(s): For the A.A.S. Degree in Industrial Automation Technology, Electrical Technology Specialty, the student must complete a minimum of 76 credit hours—a minimum of 61 in technical courses and a minimum of 15 in general education courses—all of which must be approved by the advisor. A maximum of 9 credit hours of technical electives may be selected from any approved area of Engineering Technology programs with prior written approval from the student’s major advisor. Technical courses may vary to meet student needs and to provide options. Admission Requirements: High school diploma or GED. The student is responsible for verifying the transferability of credit in this program to a senior institution with the appropriate senior institution advisor.			
*Note: Humanities and Fine Arts disciplines include but are not limited to the following: Literature, Ethnic Studies, Art and Art History, Foreign Language Literature, Music and Music History, Philosophy, Ethics, Religious Studies, Theater, and Dance.			
Course offerings may vary by campus each semester; please see your advisor to register for classes.			

ELECTRICAL TECHNOLOGY CERTIFICATE

Advisors – Ayers Campus: Tony Thrower, Electricity Building (256.835.5441) tthrower@gadsdenstate.edu;

East Broad Campus: Debbie Reynolds, Electrical Building (256.549.8631) dreynolds@gadsdenstate.edu

STUDENT PROGRESS

	Grade	Term Completed
Area I—Written Composition:.....3		
• ENG 101 - English Composition I.....3	_____	_____
Area II—Humanities and Fine Arts:.....0		
Area III—Natural Science or Mathematics:3		
• MTH 100 - Intermediate College Algebra OR numerically higher.....3	_____	_____
Area IV—History, Social and Behavioral Sciences:0		
Area V—Technical Courses:37		
• CIS 146 - Microcomputer Applications.....3	_____	_____
• * EET 100 - Introduction to Engineering Technologies.....3	_____	_____
• * EET 109 - Electrical Blueprint Reading I.....3	_____	_____
• * ELT 110 - Wiring Methods OR EET 192 - Installation Practices3	_____	_____
• * ELT 114 - Residential Wiring Methods.....3	_____	_____
• * ELT 115 - Residential Wiring Methods II.....3	_____	_____
• * ELT 117 - AC/DC Machines OR INT 206 - Industrial Motors I.....3	_____	_____
• * ELT 118 - Commercial/Industrial Wiring I OR INT 158 - Industrial Wiring I.....3	_____	_____
• * ELT 209 - Motor Controls I OR INT 113 - Industrial Motor Control I.....3	_____	_____
• * INT 101 - DC Fundamentals OR EET 103 - DC Fundamentals.....3	_____	_____
• * INT 103 - AC Fundamentals OR EET 104 - AC Fundamentals.....3	_____	_____
• INT 118 - Fundamentals of Industrial Hydraulics and Pneumatics.....3	_____	_____
• MDT 105 - Introduction to Computer-Aided Design (CAD) OR DDT 104 –Basic Computer-Aided Drafting and Design.....3	_____	_____
• * ORI 101 - Orientation to College.....1	_____	_____
• SPH 106 - Fundamentals of Oral Communication.....3	_____	_____
• ELT 192 - Practicum/Intern/Co-Op.....1	_____	_____
• ELT 194 - Practicum/Intern/Co-Op.....3	_____	_____
• ELT 288 - Co-Op.....2	_____	_____
• ELT Electives.....6	_____	_____

*Required courses

Total Hours Required for Certificate:.....43

NOTICE(s): For the certificate in Industrial Maintenance Technology, Electrical Technology Specialty, the student must complete at least 43 credit hours—all 37 hours in technical courses listed above and at least 6 in general education courses—all of which must be approved by the advisor. Technical courses may vary to meet student needs and to provide options. Admission Requirement: High school diploma or GED.

The student is responsible for verifying the transferability of credit in this program to a senior institution with the appropriate senior institution advisor.

SAMPLE SEMESTER PLAN

ELECTRICAL TECHNOLOGY CERTIFICATE**Advisors – Ayers Campus**Tony Thrower, Electricity Building (256.835.5441) tthrower@gadsdenstate.edu**East Broad Campus**Debbie Reynolds, Electrical Building (256.549.8631) dreynolds@gadsdenstate.edu

FIRST SEMESTER		SECOND SEMESTER	
<u>Course</u>	<u>Credit Hours</u>	<u>Course</u>	<u>Credit Hours</u>
EET 100: Introduction to Engineering Technologies	3	ELT 114: Residential Wiring Methods	3
EET 109: Electrical Blueprint Reading I	3	ELT 115: Residential Wiring Methods II	3
ELT 110: Wiring Methods	3	ELT 117: AC/DC Machines	3
ENG 101: English Composition I	3	INT 101: DC Fundamentals	3
ORI 101: Orientation to College	1	MTH 100: Intermediate College Algebra or numerically higher MTH	3
Total Semester Hours	13	Total Semester Hours	15
THIRD SEMESTER			
<u>Course</u>	<u>Credit Hours</u>		
ELT 118: Commercial/Industrial Wiring I	3		
INT 103: AC Fundamentals	3		
INT 113: Industrial Motor Controls I	3		
ELT Elective: _____	3		
ELT Elective: _____	3		
Total Semester Hours	15		
Total hours required for certificate: 43			
NOTICE(s): For the certificate in Industrial Maintenance Technology, Electrical Technology Specialty, the student must complete at least 43 credit hours—all 37 hours in technical courses listed above and at least 6 in general education courses—all of which must be approved by the advisor. Technical courses may vary to meet student needs and to provide options. Admission Requirement: High school diploma or GED.			
The student is responsible for verifying the transferability of credit in this program to a senior institution with the appropriate senior institution advisor.			
Course offerings may vary by campus each semester; please see your advisor to register for classes.			

ELECTRICAL TECHNOLOGY SHORT-TERM CERTIFICATE

Advisors – Ayers Campus: Tony Thrower, Electricity Building (256.835.5441) tthrower@gadsdenstate.edu;

East Broad Campus: Debbie Reynolds, Electrical Building (256.549.8631) dreynolds@gadsdenstate.edu

STUDENT PROGRESS

	<u>Grade</u>	<u>Term Completed</u>
Residential Electrical Apprentice:		
• ELT 110 - Wiring Methods3	_____	_____
• ELT 114 - Residential Wiring Methods3	_____	_____
• ELT 115 - Residential Wiring Methods II3	_____	_____
• ELT 181 - Special Topics in Electrical Technology OR ELT 182 - Special Topics in Electrical Technology OR ELT 241 - National Electric Code OR EET 100 - Introduction to Engineering Technologies3	_____	_____
• ELT 244 - Conduit Bending and Installation OR ELT 117 – AC/DC Machines3	_____	_____
• ELT 245 - Electrical Grounding Systems OR EET 109 - Electrical Blueprint Reading I.....3	_____	_____
• INT 101 - DC Fundamentals OR EET 103 - DC Fundamentals3	_____	_____
• INT 103 - AC Fundamentals OR EET 104 - AC Fundamentals.....3	_____	_____
• ORI 101 - Orientation to College1	_____	_____
• Total Hours Required for Certificate: 25		
Industrial Electrical Technician:		
• ELT 110 - Wiring Methods OR EET 192 - Installation Practices OR ELT 242 - Journeyman Master Prep Exam.....3	_____	_____
• ELT 117 - AC/DC Machines OR INT 206 - Industrial Motors I3	_____	_____
• ELT 118 - Commercial/Industrial Wiring I OR INT 158 - Industrial Wiring I3	_____	_____
• ELT 122 - Advanced AC/DC Machines OR ELT 212 - Motor Controls II OR ELT 231 - Introduction to Programmable Controllers OR INT 184 - Introduction to Programmable Logic Controllers3	_____	_____
• ELT 244 - Conduit Bending and Installation OR ELT 181 - Special Topics in Electrical Technology OR ELT 183 – Special topics in Electrical Technology-NCCER Cert. OR INT 126 – Preventive Maintenance3	_____	_____
• INT 101 - DC Fundamentals OR EET 103 - DC Fundamentals3	_____	_____
• INT 103 - AC Fundamentals OR EET 104 - AC Fundamentals.....3	_____	_____

ELECTRICAL TECHNOLOGY SHORT-TERM CERTIFICATE

continued

STUDENT PROGRESS

	<u>Grade</u>	<u>Term Completed</u>
• INT 113 - Industrial Motor Control I 3	_____	_____
• ORI 101 - Orientation to College..... 1	_____	_____
Total Hours Required for Certificate:25		

Industrial Control Technician:

• ELT 110 - Wiring Methods OR		
EET 192 - Installation Practices 3	_____	_____
• ELT 117 - AC/DC Machines..... 3	_____	_____
• ELT 122 - Advanced AC/DC Machines..... 3	_____	_____
• ELT 212 - Motor Controls II OR		
ELT 244 - Conduit Bending and Installation OR		
INT 126 – Preventive Maintenance OR		
INT 253 – Industrial Robotics..... 3	_____	_____
• ELT 231 - Introduction to Programmable Controllers..... 3	_____	_____
• ELT 232 - Advanced Programmable Controllers OR		
ELT 118 - Commercial/Industrial Wiring I 3	_____	_____
• INT 101 - DC Fundamentals OR		
EET 103 - DC Fundamentals 3	_____	_____
• INT 103 - AC Fundamentals OR		
EET 104 - AC Fundamentals 3	_____	_____
• ORI 101 - Orientation to College..... 1	_____	_____
Total Hours Required for Certificate:25		

NOTICE(s): For the short-term certificate in Residential Electrical Apprentice, Industrial Electrical Technician, or Industrial Control Technician, the student must complete 25 credit hours in technical courses—all of which must be approved by the advisor. Required courses may vary to provide options and to meet student needs. Courses will be selected from those listed above. Admission Requirement: High school diploma or GED.

SAMPLE SEMESTER PLAN

**ELECTRICAL TECHNOLOGY
SHORT-TERM CERTIFICATES****Advisors – Ayers Campus**Tony Thrower, Electricity Building (256.835.5441) tthrower@gadsdenstate.edu;**East Broad Campus**Debbie Reynolds, Electrical Building (256.549.8631) dreynolds@gadsdenstate.edu**INDUSTRIAL CONTROL TECHNICIAN**

FIRST SEMESTER		SECOND SEMESTER	
<u>Course</u>	<u>Credit Hours</u>	<u>Course</u>	<u>Credit Hours</u>
ELT 110: Wiring Methods	3	ELT 117: AC/DC Machines	3
ELT 231: Introduction to Programmable Controllers	3	ELT 122: Advanced AC/DC Machines	3
ELT 232: Advanced Programmable Controllers	3	INT 103: AC Fundamentals	3
INT 101: DC Fundamentals	3	INT 253: Industrial Robotics	3
ORI 101: Orientation to College	1		
Total Semester Hours	13	Total Semester Hours	12

Total hours required for short-term certificate: 25

INDUSTRIAL ELECTRICAL TECHNICIAN

FIRST SEMESTER		SECOND SEMESTER	
<u>Course</u>	<u>Credit Hours</u>	<u>Course</u>	<u>Credit Hours</u>
ELT 110: Wiring Methods	3	ELT 117: AC/DC Machines	3
ELT 231: Introduction to Programmable Controllers	3	ELT 118: Commercial/Industrial Wiring I	3
ELT 244: Conduit Bending	3	INT 103: AC Fundamentals	3
INT 101: DC Fundamentals	3	INT 113: Industrial Motor Control I	3
ORI 101: Orientation to College	1		
Total Semester Hours	13	Total Semester Hours	12

Total hours required for short-term certificate: 25

RESIDENTIAL ELECTRICAL APPRENTICE

FIRST SEMESTER		SECOND SEMESTER	
<u>Course</u>	<u>Credit Hours</u>	<u>Course</u>	<u>Credit Hours</u>
EET 100: Introduction to Engineering Technologies	3	ELT 114: Residential Wiring Methods	3
EET 109: Electrical Blueprint Reading I	3	ELT 115: Residential Wiring Methods II	3
ELT 110: Wiring Methods	3	ELT 244: Conduit Bending	3
INT 101: DC Fundamentals	3	INT 103: AC Fundamentals	3
ORI 101: Orientation to College	1		
Total Semester Hours	13	Total Semester Hours	12

Total hours required for short-term certificate: 25

Course offerings may vary by campus each semester; please see your advisor to register for classes.

ELECTRONIC ENGINEERING TECHNOLOGY GENERAL OPTION A.A.S.

Advisors – Ayers Campus: Audrey Webb, Electronics Building (256.835-5460) awebb@gadsdenstate.edu;

Andrew Robertson, Electronics Building (256.835-5427) arobertson@gadsdenstate.edu

East Broad Campus: David Barnett, Bevill Center (256.549.8632) dbarnett@gadsdenstate.edu;

Thomas Hartline, Bevill Center (256.549.8634) thartline@gadsdenstate.edu

STUDENT PROGRESS		
	Grade	Term Completed
Area I — Written Composition: 3		
• ENG 101 - English Composition I3	_____	_____
Area II — Humanities and Fine Arts: 3		
• Humanities/Fine Arts**3	_____	_____
Area III — Natural Science or Mathematics:..... 6		
• INT 104 - Principles of Technology3	_____	_____
• MTH 100 - Intermediate College Algebra OR numerically higher3	_____	_____
Area IV — History, Social and Behavioral Sciences:3		
• Economics, Geography, History, Political Science, Psychology, or Sociology3	_____	_____
Area V — Technical Courses: 16		
Required Courses for all options of Electronics Engineering Technology		
• EET 100 - Introduction to Engineering Technologies3	_____	_____
• EET 103 - DC Fundamentals OR INT 101 - DC Fundamentals.....3	_____	_____
• EET 104 - AC Fundamentals OR INT 103 - AC Fundamentals3	_____	_____
• EET 109 - Electrical Blueprint Reading I3	_____	_____
• EET 225 - Electronics Communications3	_____	_____
• ORI 101 - Orientation to College1	_____	_____
Additional Coursework:.....45		
• CIS 146 - Microcomputer Applications.....3	_____	_____
• * EET 114 - Concepts of Solid State Electronics.....5	_____	_____
• * EET 115 - Concepts of Digital Electronics5	_____	_____
• * EET 116 - Concepts of Electronic Circuits5	_____	_____
• * EET 119 - Circuit Fabrication I.....1	_____	_____
• EET 192 - Installation Practices3	_____	_____

ELECTRONIC ENGINEERING TECHNOLOGY

GENERAL OPTION A.A.S. continued

STUDENT PROGRESS		
	<u>Grade</u>	<u>Term Completed</u>
• EET 195 - Selected Topics in EET OR		
• EET 196 - Selected Topics in EET OR		
• EET 197 - Selected Topics in EET1-3		
• EET 207 - Intro to Robotics.....3		
• EET 208 - Fiber Optics3		
• EET 212 - Intro to Robotics Lab2		
• EET 213 - Process Control and Instrumentation3		
• EET 224 - Elements of Industrial Controls with PLCs.....3		
• EET 229 - Elements of Industrial Controls with PLCs Lab2		
• EET 234 - Robotic Systems3		
• EET 238 - Process Control and Instrumentation Lab2		
• EET 239 - Robotic Systems Lab2		
• EET 249 – CET Preparation3		
• EET 252 - Electronic Service Lab.....1		
• EET 254 - Microcomputer Systems Basic I3		
• EET 255 - Microcomputer Systems Basic I Lab2		
• EET 256 - Microcomputer Systems Advanced I.....3		
• EET 257 - Microcomputer Systems Advanced I Lab2		
• * EET 260 - Microprocessors Interfacing3		
• * EET 261 - Microprocessors Interfacing Laboratory1		
• EET 262 - Industrial Automation Project3		
• EET 276 - Elements of Industrial Controls with PLCs II.....3		
• EET 277 - Elements of Industrial Controls with PLCs II Lab2		
• EET 281 - Special Topics in Electronic Engineering Technology3		
• EET 286 - Co-Op1		
• EET 288 - Co-Op2		
• EET 290 - Electronics Project.....3		
• EET 294 - Co-Op Education.....3		
• DDT 104 - Basic Computer Aided Drafting and Design OR		
MDT 105 - Introduction to Computer-Aided Design (CAD).....3		
• SPH 106 - Fundamentals of Oral Communication3		
*Required Courses		

Total Hours Required for Degree:..... 76

NOTICE(s): For the A.A.S. Degree in Electronic Engineering Technology, General Option, the student must complete a minimum of 76 credit hours – a minimum of 61 in technical courses and a minimum of 15 in general education courses – all of which must be approved by the advisor. A maximum of 9 credit hours of technical electives may be selected from any approved area of Engineering Technology programs with prior written approval from the student's major advisor. Technical courses may vary to meet student need and to provide options. Admission Requirement: High school diploma or GED.

The student is responsible for verifying the transferability of credit in this program to a senior institution with the appropriate senior institution advisor.

****Note:** Humanities and Fine Arts disciplines include but are not limited to the following: Literature, Ethnic Studies, Art and Art History, Foreign Language Literature, Music and Music History, Philosophy, Ethics, Religious Studies, Theater, and Dance.

SAMPLE SEMESTER PLAN

ELECTRONIC ENGINEERING TECHNOLOGY GENERAL OPTION A.A.S.

Advisors – Ayers Campus

Audrey Webb, Electronics Building (256.835-5460) awebb@gadsdenstate.edu;

Andrew Robertson, Electronics Building (256.835-5427) arobertson@gadsdenstate.edu

East Broad Campus

David Barnett, Bevill Center (256.549.8632) dbarnett@gadsdenstate.edu;

Thomas Hartline, Bevill Center (256.549.8634) thartline@gadsdenstate.edu

FIRST SEMESTER		SECOND SEMESTER	
Course	Credit Hours	Course	Credit Hours
EET 100: Introduction to Engineering Technologies	3	EET 104: AC Fundamentals	3
EET 103: DC Fundamentals	3	EET 114: Concepts of Solid State Electronics	5
EET 109: Electrical Blueprint Reading	3	EET 115: Concepts of Digital Electronics	5
MTH 100: Intermediate College Algebra or numerically higher MTH	3	EET 119: Circuit Fabrication I	1
*Humanities/Fine Arts: _____	3	Economics, Geography, History, Political Science, Psychology, or Sociology: _____	3
ORI 101: Orientation to College	1		
Total Semester Hours	16	Total Semester Hours	17
THIRD SEMESTER		FOURTH SEMESTER	
Course	Credit Hours	Course	Credit Hours
EET 116: Concepts of Electronic Circuits	5	EET 192: Installation Practices	3
EET 260: Microprocessor Interfacing	3	EET 213: Process Control and Instrumentation	3
EET 261: Microprocessor Interfacing Lab	1	EET 224: Elements of Industrial Control with PLC's	3
INT 104: Principles of Technology	3	EET 225: Electronic Communications	3
ENG 101: English Composition I	3	EET 229: Elements of Industrial Control with PLC's Lab	2
		EET 238: Process Control and Instrumentation Lab	2
Total Semester Hours	15	Total Semester Hours	16
FIFTH SEMESTER			
Course	Credit Hours		
EET 195: Selected Topics	1		
EET 207: Robotics	3		
EET 208: Fiber Optics	3		
EET 212: Robotics Lab	2		
MDT 105: Introduction to Computer-Aided Design (CAD)	3		
Total Semester Hours	12		

Total hours required for degree: 76

NOTICE(s): For the A.A.S. Degree in Electronic Engineering Technology, General Option, the student must complete a minimum of 76 credit hours – a minimum of 61 in technical courses and a minimum of 15 in general education courses – all of which must be approved by the advisor. A maximum of 9 credit hours of technical electives may be selected from any approved area of Engineering Technology programs with prior written approval from the student's major advisor. Technical courses may vary to meet student need and to provide options. Admission Requirement: High school diploma or GED. The student is responsible for verifying the transferability of credit in this program to a senior institution with the appropriate senior institution advisor.

***Note:** Humanities and Fine Arts disciplines include but are not limited to the following: Literature, Ethnic Studies, Art and Art History, Foreign Language Literature, Music and Music History, Philosophy, Ethics, Religious Studies, Theater, and Dance.

Course offerings may vary by campus each semester; please see your advisor to register for classes.

ELECTRONIC ENGINEERING TECHNOLOGY INDUSTRIAL ELECTRONICS SPECIALIZATION A.A.S.

Advisors – Ayers Campus: Audrey Webb, Electronics Building (256.835.5460) awebb@gadsdenstate.edu;

Andrew Robertson, Electronics Building (256.835-5427) arobertson@gadsdenstate.edu

East Broad Campus: David Barnett, Bevill Center (256.549.8632) dbarnett@gadsdenstate.edu;

Thomas Hartline, Bevill Center (256.549.8634) thartline@gadsdenstate.edu

STUDENT PROGRESS

	<u>Grade</u>	<u>Term Completed</u>
Area I — Written Composition:3		
• ENG 101 - English Composition I 3	_____	_____
Area II — Humanities and Fine Arts:3		
• Humanities/Fine Arts** 3	_____	_____
Area III — Natural Science or Mathematics:6		
• INT 104 - Principles of Technology 3	_____	_____
• MTH 100 - Intermediate College Algebra OR numerically higher 3	_____	_____
Area IV — History, Social and Behavioral Sciences:3		
• Economics, Geography, History, Political Science, Psychology, or Sociology 3	_____	_____
Area V — Technical Core Courses:16		
Required Courses for all options of Electronic Engineering Technology		
• EET 100 - Introduction to Engineering Technologies 3	_____	_____
• EET 103 - DC Fundamentals OR INT 101 - DC Fundamentals 3	_____	_____
• EET 104 - AC Fundamentals OR INT 103 - AC Fundamentals 3	_____	_____
• EET 109 - Electrical Blueprint Reading I 3	_____	_____
• EET 225 - Electronics Communications 3	_____	_____
• ORI 101 - Orientation to College 1	_____	_____
Additional Coursework:.....45		
• CIS 146 - Microcomputer Applications 3	_____	_____
• * EET 114 - Concepts of Solid State Electronics 5	_____	_____
• * EET 115 - Concepts of Digital Electronics 5	_____	_____
• * EET 116 - Concepts of Electronic Circuits 5	_____	_____
• * EET 119 - Circuit Fabrication I 1	_____	_____
• EET 192 - Installation Practices 3	_____	_____
• EET 195 - Selected Topics in EET OR		
• EET 196 - Selected Topics in EET OR		
• EET 197 - Selected Topics in EET 1-3	_____	_____

ELECTRONIC ENGINEERING TECHNOLOGY

INDUSTRIAL ELECTRONICS SPECIALIZATION A.A.S. continued

STUDENT PROGRESS

	<u>Grade</u>	<u>Term Completed</u>
• EET 207 - Intro to Robotics 3	_____	_____
• EET 208 - Fiber Optics..... 3	_____	_____
• EET 212 - Intro to Robotics Lab 2	_____	_____
• * EET 213 - Process Control and Instrumentation 3	_____	_____
• * EET 224 - Elements of Industrial Control with PLCs 3	_____	_____
• * EET 229 - Elements of Industrial Control with PLCs Lab 2	_____	_____
• EET 234 - Robotic Systems..... 3	_____	_____
• * EET 238 - Process Control and Instrumentation Lab 2	_____	_____
• EET 239 - Robotic Systems Lab 2	_____	_____
• EET 249 – CET Preparation 3	_____	_____
• EET 260 - Microprocessors Interfacing 3	_____	_____
• EET 261 - Microprocessors Interfacing Laboratory 1	_____	_____
• EET 262 - Industrial Automation Project 3	_____	_____
• EET 276 - Elements of Industrial Control with PLCs II..... 3	_____	_____
• EET 277 - Elements of Industrial Control with PLCs II Lab 2	_____	_____
• EET 286 - Co-Op..... 1	_____	_____
• EET 288 - Co-Op..... 2	_____	_____
• EET 294 - Co-Op Education 3	_____	_____
• ELT 118 - Commercial/Industrial Wiring I..... 3	_____	_____
• ELT 122 - Advanced AC/DC Machines 3	_____	_____
• INT 117 - Principles of Industrial Mechanics 3	_____	_____
• INT 118 - Fundamentals of Industrial Hydraulics and Pneumatics 3	_____	_____
• DDT 104 - Basic Computer Aided Drafting and Design OR MDT 105 - Introduction to Computer-Aided Design (CAD) 3	_____	_____
• SPH 106 - Fundamentals of Oral Communication 3	_____	_____

*Required courses for Electronic Engineering Technology, Industrial Electronics Specialization

Total Hours Required for Degree: 76

NOTICE(s): For the A.A.S. Degree in Electronics Engineering Technology, Industrial Electronics Specialization, the student must complete a minimum of 76 credit hours – a minimum of 61 in technical courses and a minimum of 15 in general education courses – all of which must be approved by the advisor. A maximum of 9 credit hours of technical electives may be selected from any approved area of Engineering Technology programs with prior written approval from the student's major advisor. Technical courses may vary to meet student needs and to provide options. Admission Requirement: High school diploma or GED.

The student is responsible for verifying the transferability of credit in this program to a senior institution with the appropriate senior institution advisor.

****Note:** Humanities and Fine Arts disciplines include but are not limited to the following: Literature, Ethnic Studies, Art and Art History, Foreign Language Literature, Music and Music History, Philosophy, Ethics, Religious Studies, Theater, and Dance.

SAMPLE SEMESTER PLAN

ELECTRONIC ENGINEERING TECHNOLOGY– INDUSTRIAL ELECTRONICS SPECIALIZATION A.A.S.**Advisors – Ayers Campus**Audrey Webb, Electronics Building (256.835-5460) awebb@gadsdenstate.edu;Andrew Robertson, Electronics Building (256.835-5427) arobertson@gadsdenstate.edu**East Broad Campus**David Barnett, Bevill Center (256.549.8632) dbarnett@gadsdenstate.edu;Thomas Hartline, Bevill Center (256.549.8634) thartline@gadsdenstate.edu

FIRST SEMESTER		SECOND SEMESTER	
<u>Course</u>	<u>Credit Hours</u>	<u>Course</u>	<u>Credit Hours</u>
EET 100: Introduction to Engineering Technology	3	EET 104: AC Fundamentals	3
EET 103: DC Fundamentals	3	EET 114: Concepts of Solid State Electronics	5
EET 109: Electrical Blueprint Reading	3	EET 115: Concepts of Digital Electronics	5
MTH 100: Intermediate College Algebra or numerically higher MTH	3	EET 119: Circuit Fabrication I	1
*Humanities/Fine Arts:_____	3	Economics, Geography, History, Political Science, Psychology, or Sociology:_____	3
ORI 101: Orientation to College	1		
Total Semester Hours	16	Total Semester Hours	17
THIRD SEMESTER		FOURTH SEMESTER	
<u>Course</u>	<u>Credit Hours</u>	<u>Course</u>	<u>Credit Hours</u>
EET 116: Concepts of Electronic Circuits	5	EET 192: Installation Practices	3
INT 104: Principles of Technology	3	EET 213: Process Control and Instrumentation	3
INT 117: Principles of Industrial Mechanics	3	EET 224: Elements of Industrial Control with PLC's	3
INT 118: Fundamentals of Industrial Hydraulics and Pneumatics	3	EET 225: Electronic Communications	3
ENG 101: English Composition I	3	EET 229: Elements of Industrial Control with PLC's Lab	2
		EET 238: Process Control and Instrumentation Lab	2
Total Semester Hours	17	Total Semester Hours	16
FIFTH SEMESTER			
<u>Course</u>	<u>Credit Hours</u>		
EET 196: Selected Topics in EET	2		
EET 207: Robotics	3		
EET 212: Robotics Lab	2		
MDT 105: Introduction to Computer-Aided Design (CAD)	3		
Total Semester Hours	10		

Total hours required for degree: 76

NOTICE(s): For the A.A.S. Degree in Electronics Engineering Technology, Industrial Electronics Specialization, the student must complete a minimum of 76 credit hours – a minimum of 61 in technical courses and a minimum of 15 in general education courses – all of which must be approved by the advisor. A maximum of 9 credit hours of technical electives may be selected from any approved area of Engineering Technology programs with prior written approval from the student's major advisor. Technical courses may vary to meet student needs and to provide options. Admission Requirement: High school diploma or GED. The student is responsible for verifying the transferability of credit in this program to a senior institution with the appropriate senior institution advisor.

***Note:** Humanities and Fine Arts disciplines include but are not limited to the following: Literature, Ethnic Studies, Art and Art History, Foreign Language Literature, Music and Music History, Philosophy, Ethics, Religious Studies, Theater, and Dance.

Course offerings may vary by campus each semester; please see your advisor to register for classes.

ELECTRONIC ENGINEERING TECHNOLOGY CERTIFICATE

Advisors – Ayers Campus: Audrey Webb, Electronics Building (256.835.5460) awebb@gadsdenstate.edu;

Andrew Robertson, Electronics Building (256.835-5427) arobertson@gadsdenstate.edu

East Broad Campus: David Barnett, Bevill Center (256.549.8632) dbarnett@gadsdenstate.edu;

Thomas Hartline, Bevill Center(256.549.8634) thartline@gadsdenstate.edu

STUDENT PROGRESS

	Grade	Term Completed
Area I — Written Composition: 3		
• ENG 101 - English Composition I3	_____	_____
Area II — Humanities and Fine Arts: 0		
Area III — Natural Science or Mathematics: 3		
• MTH 100 - Intermediate College Algebra OR numerically higher3	_____	_____
Area IV — History, Social and Behavioral Sciences:..... 0		
Area V — Required Technical Courses: 13		
• EET 100 - Introduction to Engineering Technologies3	_____	_____
• EET 103 - DC Fundamentals OR INT 101 - DC Fundamentals.....3	_____	_____
• EET 104 - AC Fundamentals OR INT 103 - AC Fundamentals.....3	_____	_____
• INT 104 - Principles of Technology3	_____	_____
• ORI 101 - Orientation to College1	_____	_____
Additional Coursework: 24		
• Approved Area V Electives24	_____	_____
• EET 286 - Co-Op.....1	_____	_____
• EET 288 - Co-Op.....2	_____	_____
• EET 294 - Co-Op Education.....3	_____	_____
• CIS 146 - Microcomputer Applications.....3	_____	_____
• SPH 106 - Fundamentals of Oral Communication3	_____	_____
Total Hours Required for Certificate:..... 43		

NOTICE(s): For the certificate in Electronic Engineering Technology, all options, the student must complete 6 general education hours and 37 technical hours, all of which must be approved by the student's major advisor. Admission Requirement: High school diploma or GED.

SAMPLE SEMESTER PLAN

ELECTRONIC ENGINEERING TECHNOLOGY CERTIFICATE**Advisors – Ayers Campus**Audrey Webb, Electronics Building (256.835-5460) awebb@gadsdenstate.edu;Andrew Robertson, Electronics Building (256.835-5427) arobertson@gadsdenstate.edu**East Broad Campus**David Barnett, Bevill Center (256.549.8632) dbarnett@gadsdenstate.edu;Thomas Hartline, Bevill Center (256.549.8634) thartline@gadsdenstate.edu

FIRST SEMESTER		SECOND SEMESTER	
<u>Course</u>	<u>Credit Hours</u>	<u>Course</u>	<u>Credit Hours</u>
EET 100: Introduction to Engineering Technology	3	EET 104: AC Fundamentals	3
EET 103: DC Fundamentals	3	EET 114: Concepts of Solid State Electronics	5
EET 109: Electrical Blueprint Reading	3	EET 115: Concepts of Digital Electronics	5
EET 195: Selected Topics	1	ENG 101: English Composition I	3
MTH 100 - Intermediate College Algebra or numerically higher MTH	3		
ORI 101: Orientation to College	1		
Total Semester Hours	14	Total Semester Hours	16
THIRD SEMESTER			
<u>Course</u>	<u>Credit Hours</u>		
EET 116: Concepts of Electronic Circuits	5		
EET 119: Circuit Fabrication I	1		
EET 260: Microprocessor Interfacing	3		
EET 261: Microprocessor Interfacing Lab	1		
INT 104: Principles of Technology	3		
Total Semester Hours	13		
Total hours required for certificate: 43			
NOTICE(s): For the certificate in Electronic Engineering Technology, all options, the student must complete 6 general education hours and 37 technical hours, all of which must be approved by the student's major advisor. Admission Requirement: High school diploma or GED.			
Course offerings may vary by campus each semester; please see your advisor to register for classes.			

EMERGENCY MEDICAL SERVICES A.A.S.

Advisors – East Broad Campus and McClellan Center: John Hollingsworth, (256.549.8654)

jhollingsworth@gadsdenstate.edu; Pam Talley, (256.549.8689) ptalley@gadsdenstate.edu

STUDENT PROGRESS		
	Grade	Term Completed
Area I – Written Composition:..... 3-6		
• ENG 101 - English Composition I..... 3	_____	_____
• ENG 102 - English Composition II* 3	_____	_____
Area II – Humanities and Fine Arts: 3-6		
• Fine Arts* 3	_____	_____
Area III – Natural Sciences and Mathematics: 11		
• BIO 201 - Human Anatomy and Physiology I OR		
BIO 271 - Human Gross Anatomy/Pathophysiology 4	_____	_____
• BIO 202 - Human Anatomy and Physiology II..... 4	_____	_____
• MTH 100 - Intermediate College Algebra..... 3	_____	_____
Area IV – History, Social and Behavioral Sciences:..... 3		
• PSY 200 - General Psychology 3	_____	_____
Area V – Professional, Major and Elective Courses: 42-50		
In lieu of CIS 146, competency in basic use of computers is demonstrated by extensive use of computers as required in labs and clinicals.		
• EMS 100 - Cardiopulmonary Resuscitation I 1	_____	_____
• EMS 107 - Emergency Vehicle Operator Ambulance 1	_____	_____
• EMS 118 - Emergency Medical Technician 9	_____	_____
• EMS 119 - Emergency Medical Technician Clinical 1	_____	_____
• EMS 241 - Paramedic Cardiology 3	_____	_____
• EMS 242 - Paramedic Patient Assessment 2	_____	_____
• EMS 244 - Paramedic Clinical I 1	_____	_____
• EMS 245 - Paramedic Medical Emergencies 3	_____	_____
• EMS 246 - Paramedic Trauma Management..... 3	_____	_____
• EMS 247 - Paramedic Special Populations 2	_____	_____
• EMS 248 - Paramedic Clinical II 3	_____	_____
• EMS 253 - Paramedic Transition to the Workforce 2	_____	_____
• EMS 254 - Advanced Competencies for Paramedics..... 2	_____	_____
• EMS 255 - Paramedic Field Preceptorship 5	_____	_____
• EMS 256 - Paramedic Team Leadership 1	_____	_____
• EMS 257 - Paramedic Applied Pharmacology 2	_____	_____
• ORI 101 – Orientation to College..... 1	_____	_____
Approved Area V Electives		
• EMS 155 - Advanced Emergency Medical Technician 7	_____	_____
• EMS 156 - Advanced Emergency Medical Technician Clinical... 2	_____	_____

Total Hours Required for Degree:..... 65-74

- NOTICE(s)**
- Either BIO 201 or BIO 271 must be taken as a prerequisite for 1st semester paramedic. Limitations apply. **See Advisor**
 - BIO 271 can be substituted for BIO 201 in the degree requirements. Limitations Apply. **See Advisor**
 - MTH 100, ENG 101 plus additional four general education hours required prior to 3rd semester. **See Advisor**
 - **The EMS Program offers three separate progression tracks. Please see EMS advisor for details.**

Gadsden State awards institutional certificates in EMT, Advanced EMT and in Paramedic. The student should see an EMS advisor for details. Subject to change due to statewide standardization of Emergency Medical Services program(s). Gadsden State's EMS Program follows the Alabama Community College System Standardized Curriculum.

***Note:** Fine Arts disciplines include but are not limited to the following: Art and Art History, Music and Music History, Theater, and Dance.

SAMPLE SEMESTER PLAN

EMERGENCY MEDICAL SERVICES A.A.S.

Advisors – East Broad Campus and McClellan Center

John Hollingsworth, (256.549.8654) jhollingsworth@gadsdenstate.edu;Pam Talley, (256.549.8689) ptalley@gadsdenstate.edu

FIRST SEMESTER		SECOND SEMESTER	
Course	Credit Hours	Course	Credit Hours
EMS 100: Cardiopulmonary Resuscitation	1	BIO 201: Human Anatomy and Physiology I	4
EMS 107: Emergency Vehicle Operator	1	EMS 155: Advanced Emergency Medical Technician	7
EMS 118: Emergency Medical Technician	9	EMS 156: Advanced Emergency Medical Technician Clinical	2
EMS 119: Emergency Medical Technician Clinical	1	ENG 101: English Composition I	3
ORI 101: Orientation to College	1		
Total Semester Hours	13	Total Semester Hours	16
THIRD SEMESTER		FOURTH SEMESTER	
Course	Credit Hours	Course	Credit Hours
EMS 241: Paramedic Cardiology	3	BIO 202: Human Anatomy and Physiology II	4
EMS 242: Paramedic Patient Assessment	2	EMS 245: Paramedic Medical Emergencies	3
EMS 244: Paramedic Clinical 1	1	EMS 246: Paramedic Trauma Management	3
EMS 257: Paramedic Applied Pharmacology	2	EMS 247: Paramedic Special Populations	2
ENG 102: English Composition II	3	EMS 248: Paramedic Clinical 2	3
PSY 200: General Psychology	3		
Total Semester Hours	14	Total Semester Hours	15
FIFTH SEMESTER			
Course	Credit Hours		
ART 100: Art Appreciation*	3		
EMS 253: Paramedic Transition to the Workforce	2		
EMS 254: Paramedic Terminal Competencies	2		
EMS 255: Paramedic Field Internship	5		
EMS 256: Paramedic Team Leadership	1		
MTH 100: Intermediate College Algebra	3		
Total Semester Hours	16		

Total hours required for degree: 74

- NOTICE(s)**
- Either BIO 201 or BIO 271 must be taken as a prerequisite for 1st semester paramedic. Limitations apply. **See Advisor**
 - BIO 271 can be substituted for BIO 201 in the degree requirements. Limitations Apply. **See Advisor**
 - MTH 100, ENG 101 plus additional four general education hours required prior to 3rd semester. **See Advisor**
 - **The EMS Program offers three separate progression tracks. Please see EMS advisor for details.**

Gadsden State awards institutional certificates in EMT, Advanced EMT and in Paramedic. The student should see an EMS advisor for details. Subject to change due to statewide standardization of Emergency Medical Services program(s). Gadsden State's EMS Program follows the Alabama Community College System Standardized Curriculum.

***Note:** Fine Arts disciplines include but are not limited to the following: Art and Art History, Music and Music History, Theater, and Dance.

Course offerings may vary by campus each semester; please see your advisor to register for classes.

EMERGENCY MEDICAL SERVICES SHORT-TERM CERTIFICATES

Advisors – East Broad Campus and McClellan Center: John Hollingsworth, (256.549.8654)

jhollingsworth@gadsdenstate.edu; Pam Talley, (256.549.8689) ptalley@gadsdenstate.edu

STUDENT PROGRESS		
	<u>Grade</u>	<u>Term Completed</u>
Area V – EMT12		
• EMS 100 - Cardiopulmonary Resuscitation I..... 1	_____	_____
• EMS 107 - Emergency Vehicle Operator Ambulance 1	_____	_____
• EMS 118 - Emergency Medical Technician 9	_____	_____
• EMS 119 - Emergency Medical Technician Clinical..... 1	_____	_____
Total Hours Required for short-term certificate:.....12		

NOTICE:

- ENG 101 or equivalent score on a placement exam are required to participate in the EMT program.
- The EMS program offers several different progression tracks. See advisor for details.
- Subject to change due to statewide standardization of EMS programs
- Gadsden State follows the Alabama Community College System's Standardized Curriculum.

This short-term certificate program is not eligible for Title IV funding (Pell Grant, SEOG, ASAP).

STUDENT PROGRESS		
	<u>Grade</u>	<u>Term Completed</u>
Area V – ADVANCED EMT9		
• EMS 155 - Advanced Emergency Medical Technician 7	_____	_____
• EMS 156 - Advanced Emergency Medical Technician Clinical ... 2	_____	_____
Total Hours Required for short-term certificate:.....9		

NOTICE:

- ENG 101 or equivalent score on a placement exam are required to participate in the AEMT program.
- Students must possess a current unencumbered EMT license to participate in Advanced EMT classes.
- The EMS program offers several different progression tracks. See advisor for details.
- Subject to change due to statewide standardization of EMS programs
- Gadsden State EMS follows the Alabama Community College System's Standardized Curriculum.

This short-term certificate program is not eligible for Title IV funding (Pell Grant, SEOG, ASAP).

EMERGENCY MEDICAL SERVICES

SHORT-TERM CERTIFICATES continued

Advisors – East Broad Campus and McClellan Center: John Hollingsworth, (256.549.8654)
jhollingsworth@gadsdenstate.edu; Pam Talley, (256.549.8689) ptalley@gadsdenstate.edu

	STUDENT PROGRESS	
	<u>Grade</u>	<u>Term Completed</u>
Area V – PARAMEDIC.....29		
• EMS 241 - Paramedic Cardiology..... 3	_____	_____
• EMS 242 - Paramedic Patient Assessment..... 2	_____	_____
• EMS 244 - Paramedic Clinical I..... 1	_____	_____
• EMS 245 - Paramedic Medical Emergencies..... 3	_____	_____
• EMS 246 - Paramedic Trauma Management 3	_____	_____
• EMS 247 - Paramedic Special Populations..... 2	_____	_____
• EMS 248 - Paramedic Clinical II..... 3	_____	_____
• EMS 253 - Paramedic Transition to the Workforce 2	_____	_____
• EMS 254 - Advanced Competencies for Paramedics 2	_____	_____
• EMS 255 - Paramedic Field Preceptorship 5	_____	_____
• EMS 256 - Paramedic Team Leadership 1	_____	_____
• EMS 257 - Paramedic Applied Pharmacology 2	_____	_____
Total Hours Required for short-term certificate:.....29		

NOTICE:

- ENG 101 or equivalent score on a placement exam are required to participate in the paramedic program.
- EMS 118, 119, and BIO 201 or 271 are prerequisites for paramedic classes.
- Students must possess a current unencumbered EMT license to participate in paramedic classes.
- BIO 271 can be substituted for BIO 201 in the certificate requirements. Limitations apply. See advisor.
- The EMS program offers several different progression tracks. See advisor for details.
- Subject to change due to statewide standardization of EMS programs
- Gadsden State EMS follows the Alabama Community College System's Standardized Curriculum.

SAMPLE SEMESTER PLAN

EMERGENCY MEDICAL SERVICES SHORT-TERM CERTIFICATES

Advisors – East Broad Campus and McClellan Center

John Hollingsworth, (256.549.8654) jhollingsworth@gadsdenstate.edu;

Pam Talley, (256.549.8689) ptalley@gadsdenstate.edu

EMT**ADVANCED EMT****FIRST SEMESTER****SECOND SEMESTER**

<u>Course</u>	<u>Credit Hours</u>	<u>Course</u>	<u>Credit Hours</u>
EMS 100: Cardiopulmonary Resuscitation	1	EMS 155: Advanced Emergency Medical Technician	7
EMS 107: Emergency Vehicle Operator	1	EMS 156: Advanced Emergency Medical Technician Clinical	2
EMS 118: Emergency Medical Technician	9		
EMS 119: Emergency Medical Technician Clinical	1		
Total Semester Hours	12	Total Semester Hours	9
Total hours required for short-term certificate: 12		Total hours required for short-term certificate: 9	

PARAMEDIC**THIRD SEMESTER****FOURTH SEMESTER**

<u>Course</u>	<u>Credit Hours</u>	<u>Course</u>	<u>Credit Hours</u>
EMS 241: Paramedic Cardiology	3	EMS 245: Paramedic Medical Emergencies	3
EMS 242: Paramedic Patient Assessment	2	EMS 246: Paramedic Trauma Management	3
EMS 244: Paramedic Clinical 1	1	EMS 247: Paramedic Special Populations	2
EMS 257: Paramedic Applied Pharmacology	2	EMS 248: Paramedic Clinical 2	3
Total Semester Hours	8	Total Semester Hours	11

FIFTH SEMESTER

<u>Course</u>	<u>Credit Hours</u>
EMS 253: Paramedic Transition to the Workforce	2
EMS 254: Paramedic Terminal Competencies	2
EMS 255: Paramedic Field Internship	5
EMS 256: Paramedic Team Leadership	1
Total Semester Hours	10

Total hours required for short-term certificate: 29

Course offerings may vary by campus each semester; please see your advisor to register for classes.

ENGINEERING DESIGN TECHNOLOGY A.A.S.

(FORMERLY KNOWN AS DRAFTING AND DESIGN TECHNOLOGY)

Advisor – Ayers Campus: Barry Abernathy, Drafting Building (256.835.5453) babernathy@gadsdenstate.edu

STUDENT PROGRESS

	<u>Grade</u>	<u>Term Completed</u>
Area I—Written Composition:3		
• ENG 101 - English Composition I.....3	_____	_____
Area II—Humanities and Fine Arts:3		
• Humanities/Fine Arts*.....3	_____	_____
Area III — Natural Science or Mathematics:6		
• INT 104 - Principles of Technology.....3	_____	_____
• MTH 100 - Intermediate College Algebra OR numerically higher.....3	_____	_____
Area IV—History, Social and Behavioral Sciences:.....3		
• Economics, Geography, History, Political Science, Psychology, or Sociology.....3	_____	_____
Area V—Technical Courses:31		
Courses listed below are required.		
• DDT 104 - Basic Computer Aided Drafting and Design.....3	_____	_____
• DDT 111 - Fundamentals of Drafting and Design Technology.....3	_____	_____
• DDT 115 - Blueprint Reading for Machinists.....3	_____	_____
• DDT 116 - Blueprint Reading for Construction.....3	_____	_____
• DDT 124 – Basic Technical Drawing.....3	_____	_____
• DDT 127 - Intermediate Computer Aided Drafting and Design.....3	_____	_____
• DDT 128 - Intermediate Technical Drawing.....3	_____	_____
• DDT 220 - Advanced Technical Drawing.....3	_____	_____
• DDT 233 – Intermediate 3D Modeling.....3	_____	_____
• EET 100 - Introduction to Engineering Technologies.....3	_____	_____
• ORI 101 - Orientation to College.....1	_____	_____
Additional Coursework.....27		
• CIS 146 - Microcomputer Applications.....3	_____	_____
• DDT 114 - Industrial Blueprint Reading.....3	_____	_____
• DDT 117 - Manufacturing Processes.....3	_____	_____
• DDT 131 - Machine Drafting Basics.....3	_____	_____
• DDT 132 - Architectural Drafting.....3	_____	_____
• DDT 133 - Basic Surveying.....3	_____	_____
• DDT 182 - Special Topics in Drafting and Design Technology.....3	_____	_____
• DDT 211 - Intermediate Machine Drafting.....3	_____	_____
• DDT 212 - Intermediate Architectural Drafting.....3	_____	_____

ENGINEERING DESIGN TECHNOLOGY A.A.S. continued

STUDENT PROGRESS		
	<u>Grade</u>	<u>Term Completed</u>
• DDT 226 - Technical Illustration.....3	_____	_____
• DDT 231 – Advanced CAD.....3	_____	_____
• DDT 235 - Specialized CAD.....3	_____	_____
• DDT 237 - Current Topics in CAD.....3	_____	_____
• DDT 244 – Advanced 3D Modeling.....3	_____	_____
• DDT 286 - Co-Op.....1	_____	_____
• DDT 288 - Co-Op.....2	_____	_____
• DDT 291 - Co-Op.....3	_____	_____
• SPH 106 - Fundamentals of Oral Communication3	_____	_____

Total Hours Required for Degree:.....73

For the A.A.S. Degree in Engineering Design Technology, the student must complete a minimum of 73 credit hours —a minimum of 58 in technical courses and a minimum of 15 in general education courses—all of which must be approved by the advisor. A maximum of 9 credit hours of technical electives may be selected from any approved area of Engineering Technology programs with prior written approval from the student’s major advisor. Technical courses may vary to meet student needs and to provide options. Admission Requirement: High school diploma or GED. The student is responsible for verifying the transferability of credit in this program to a senior institution with the appropriate senior institution advisor.

This program is offered at the Ayers Campus only.

***Note:** Humanities and Fine Arts disciplines include but are not limited to the following: Literature, Ethnic Studies, Art and Art History, Foreign Language Literature, Music and Music History, Philosophy, Ethics, Religious Studies, Theater, and Dance.

SAMPLE SEMESTER PLAN

ENGINEERING DESIGN TECHNOLOGY A.A.S.

Advisor – Ayers Campus

Barry Abernathy, Drafting Building (256.835.5453) babernathy@gadsdenstate.edu

FIRST SEMESTER		SECOND SEMESTER	
Course	Credit Hours	Course	Credit Hours
DDT 104: Basic Computer Aided Drafting and Design	3	DDT 127: Intermediate Computer Aided Drafting and Design	3
DDT 111: Fundamentals of Drafting and Design	3	DDT 128: Intermediate Technical Drawing	3
DDT 124: Basic Technical Drawing	3	DDT 220: Advanced Technical Drawing	3
DDT Elective: _____	3	DDT 233: Intermediate 3D Modeling	3
EET 100: Introduction to Engineering Technologies	3	ENG 101: English Composition I	3
ORI 101: Orientation to College	1	INT 104: Principles of Technology	3
Total Semester Hours	16	Total Semester Hours	18
THIRD SEMESTER		FOURTH SEMESTER	
Course	Credit Hours	Course	Credit Hours
DDT 115: Blueprint Reading for Machinists	3	DDT 131: Machine Drafting Basics	3
DDT 116: Blueprint Reading for Construction	3	DDT 132: Architectural Drafting	3
DDT 117: Manufacturing Processes	3	DDT 231: Advanced CAD	3
DDT 237: Current Topics in CAD	3	Economics, Geography, History, Political Science, Psychology, or Sociology: _____	3
MTH 100: Intermediate College Algebra or numerically higher MTH	3		
Total Semester Hours	15	Total Semester Hours	12
FIFTH SEMESTER			
Course	Credit Hours		
DDT 182: Special Topics in Drafting and Design	3		
DDT Elective: _____	3		
DDT Elective: _____	3		
*Humanities/Fine Arts: _____	3		
Total Semester Hours	12		

Total hours required for degree: 73

For the A.A.S. Degree in Engineering Design Technology, the student must complete a minimum of 73 credit hours —a minimum of 58 in technical courses and a minimum of 15 in general education courses—all of which must be approved by the advisor. A maximum of 9 credit hours of technical electives may be selected from any approved area of Engineering Technology programs with prior written approval from the student's major advisor. Technical courses may vary to meet student needs and to provide options. Admission Requirement: High school diploma or GED. The student is responsible for verifying the transferability of credit in this program to a senior institution with the appropriate senior institution advisor.

This program is offered at the Ayers Campus only.

***Note:** Humanities and Fine Arts disciplines include but are not limited to the following: Literature, Ethnic Studies, Art and Art History, Foreign Language Literature, Music and Music History, Philosophy, Ethics, Religious Studies, Theater, and Dance.

ENGINEERING DESIGN TECHNOLOGY CERTIFICATE

(FORMERLY KNOWN AS DRAFTING AND DESIGN TECHNOLOGY)

Advisor – Ayers Campus: Barry Abernathy, Drafting Building (256.835.5453) babernathy@gadsdenstate.edu

STUDENT PROGRESS

	<u>Grade</u>	<u>Term Completed</u>
Area I—Written Composition:.....3		
• ENG 101 - English Composition I.....3	_____	_____
Area II—Humanities and Fine Arts:.....0		
Area III—Natural Science or Mathematics:.....3		
• MTH 100 - Intermediate College Algebra OR numerically higher.....3	_____	_____
Area IV—History, Social and Behavioral Sciences:.....0		
Area V—Technical Courses:.....40		
• CIS 146 - Microcomputer Applications.....3	_____	_____
• * DDT 104 – Basic Computer Aided Drafting and Design.....3	_____	_____
• * DDT 111 – Fundamentals of Drafting and Design Technology...3	_____	_____
• * DDT 115 – Blueprint Reading for Machinists.....3	_____	_____
• * DDT 116 – Blueprint Reading for Construction.....3	_____	_____
• * DDT 124 – Basic Technical Drawing.....3	_____	_____
• * DDT 127 – Intermediate CADD.....3	_____	_____
• * DDT 128 – Intermediate Technical Drawing.....3	_____	_____
• * DDT 220 – Advanced Technical Drawing.....3	_____	_____
• * DDT 233 – Intermediate 3D Modeling.....3	_____	_____
• DDT 286 - Co-Op.....1	_____	_____
• DDT 288 - Co-Op.....2	_____	_____
• DDT 291 - Co-Op.....3	_____	_____
• * EET 100 – Introduction to Engineering Technologies.....3	_____	_____
• * INT 104 – Principles of Technology.....3	_____	_____
• * ORI 101 - Orientation to College.....1	_____	_____
• SPH 106 - Fundamentals of Oral Communication.....3	_____	_____
• DDT Electives.....6	_____	_____

*Required courses

Total Hours Required for Certificate:.....46

NOTICE(s): For the certificate in Engineering Design Technology, the student must complete at least 46 credit hours—at least 40 in technical courses and at least 6 in general education courses—all of which must be approved by the advisor. Technical courses, which may vary to meet student needs and to provide options, must be selected from those listed above. Admission Requirement: High school diploma or GED.

The student is responsible for verifying the transferability of credit in this program to a senior institution with the appropriate senior institution advisor.

This program is offered at the Ayers Campus only.

This program is a Gainful Employment Program. Information on the graduation rate, award type, average loan debt, number of students

SAMPLE SEMESTER PLAN

ENGINEERING DESIGN CERTIFICATE

Advisor – Ayers Campus

Barry Abernathy, Drafting Building (256.835.5453) babernathy@gadsdenstate.edu

FIRST SEMESTER		SECOND SEMESTER	
<u>Course</u>	<u>Credit Hours</u>	<u>Course</u>	<u>Credit Hours</u>
DDT 104: Basic Computer-Aided Drafting and Design	3	DDT 127: Intermediate Computer-Aided Drafting and Design	3
DDT 111: Fundamentals of Drafting and Design Technology	3	DDT 128: Intermediate Technical Drawing	3
DDT 124: Basic Technical Drawing	3	DDT 220: Advanced Technical Drawing	3
EET 100: Introduction to Engineering Technologies	3	DDT 233: Intermediate 3D Modeling	3
ORI 101: Orientation to College	1	ENG 101: English Composition I	3
		INT 104: Principles of Technology	3
Total Semester Hours	13	Total Semester Hours	18
THIRD SEMESTER			
<u>Course</u>	<u>Credit Hours</u>		
DDT 115: Blueprint Reading for Machinists	3		
DDT 116: Blueprint Reading for Construction	3		
DDT 117: Manufacturing Processes	3		
DDT 237: Current Topics in CAD	3		
MTH 100: Intermediate College Algebra or numerically higher	3		
Total Semester Hours	15		
Total hours required for certificate: 46			
NOTICE(s): For the certificate in Engineering Design Technology, the student must complete at least 46 credit hours—at least 40 in technical courses and at least 6 in general education courses—all of which must be approved by the advisor. Technical courses, which may vary to meet student needs and to provide options, must be selected from those listed above. Admission Requirement: High school diploma or GED.			
The student is responsible for verifying the transferability of credit in this program to a senior institution with the appropriate senior institution advisor.			
This program is offered at the Ayers Campus only.			

ENGINEERING DESIGN TECHNOLOGY

SHORT-TERM CERTIFICATE

(FORMERLY KNOWN AS DRAFTING AND DESIGN TECHNOLOGY)

Advisor – Ayers Campus: Barry Abernathy, Drafting Building (256.835.5453) babernathy@gadsdenstate.edu

STUDENT PROGRESS

Grade Term Completed

Required Courses:

• DDT 104 - Basic Computer Aided Drafting and Design.....3	_____	_____
• DDT 111 - Fundamentals of Drafting and Design Technology.....3	_____	_____
• DDT 115 - Blueprint Reading for Machinists.....3	_____	_____
• DDT 116 - Blueprint Reading for Construction.....3	_____	_____
• DDT 124 - Basic Technical Drawing.....3	_____	_____
• DDT 233 - Intermediate 3D Modeling.....3	_____	_____
• DDT 235 - Specialized CAD.....3	_____	_____
• DDT 237 - Current Topics in CAD.....3	_____	_____
• EET 100 - Introduction to Engineering Technologies.....3	_____	_____
• ORI 101 - Orientation to College.....1	_____	_____

Total Hours Required for Certificate:.....28

NOTICE(s): For the short-term certificate in Engineering Design Technology, the student must complete all of the 28 credit hours listed above—all of which must be approved by the advisor. Required courses may vary to provide options and to meet student needs. Admission Requirement: High school diploma or GED.

This program is offered at the Ayers Campus only.

This program is a Gainful Employment Program. Information on the graduation rate, award type, average loan debt, number of students borrowing money, and the cost and length of this program can be found at: <http://www.gadsdenstate.edu/sites/default/files/u21/15.1301-Drafting%20%26%20Design%20Short%20Term%20Certificate.pdf>.

SAMPLE SEMESTER PLAN

ENGINEERING DESIGN SHORT-TERM CERTIFICATE

Advisor – Ayers Campus

Barry Abernathy, Drafting Building (256.835.5453) babernathy@gadsdenstate.edu

FIRST SEMESTER		SECOND SEMESTER	
Course	Credit Hours	Course	Credit Hours
DDT 104: Basic Computer-Aided Drafting and Design	3	DDT 115: Blueprint Reading for Machinists	3
DDT 111: Fundamentals of Drafting and Design Technology	3	DDT 116: Blueprint Reading for Construction	3
DDT 124: Basic Technical Drawing	3	DDT 233: Intermediate 3D Modeling	3
EET 100: Introduction to Engineering Technologies	3	DDT 235: Specialized CAD	3
ORI 101: Orientation to College	1	DDT 237: Current Topics in CAD	3
Total Semester Hours	13	Total Semester Hours	15
Total hours required for short-term certificate: 28			
NOTICE(s): For the short-term certificate in Engineering Design Technology, the student must complete all of the 28 credit hours listed above—all of which must be approved by the advisor. Required courses may vary to provide options and to meet student needs. Admission Requirement: High school diploma or GED.			
This program is offered at the Ayers Campus only.			

GENERAL STUDIES A.S.

Please contact the appropriate Division to speak to an advisor for your area of interest and to obtain a plan of study.

Business	256.549.8250	Language and Humanities	256.549.8278
Computer Science	256.549.8250	Math and Engineering	256.549.8322
Fine Arts	256.549.8278	Science	256.549.8280
Health, PE & Recreation	256.549.8310	Social Science	256.549.8322

STUDENT PROGRESS

	<u>Grade</u>	<u>Term Completed</u>
Area I – Written Composition:6		
• ENG 101 - English Composition I.....3	_____	_____
• ENG 102 - English Composition II.....3	_____	_____
Area II – Humanities and Fine Arts¹: 12		
• Literature (A sequence in Literature OR History is required) ...3	_____	_____
• Fine Arts*3	_____	_____
• Humanities/Fine Arts*6	_____	_____
Area III – Natural Sciences and Mathematics¹: 11		
• MTH 112 - Precalculus Algebra OR Higher level Math3	_____	_____
• Natural Science and Lab.....8	_____	_____
Area IV – History, Social and Behavioral Sciences¹: 12		
• History (A sequence in Literature OR History is required)3	_____	_____
• History, Social, or Behavioral Science3	_____	_____
• Social and Behavioral Sciences6	_____	_____
Area V – Pre-Professional, Pre-Major and Electives¹: 19-23		
• ORI 101 - Orientation to College1	_____	_____
• CIS 146 - Microcomputer Applications OR Higher CIS course3	_____	_____
• SPH 106 - Fundamentals of Oral Communication (recommended)...3	_____	_____
• Elective12-16	_____	_____
• Elective	_____	_____
• Elective	_____	_____
• Elective	_____	_____
• Elective	_____	_____
• Elective	_____	_____
• Elective	_____	_____

Total Hours Required for Degree: 60-64

NOTICE(s): ¹Students should 1) consult with an advisor and 2) refer to the Statewide Transfer and Articulation Reporting Systems (STARS) located at <http://stars.troy.edu/> and the degree requirements of the intended transfer institution.

***Note:** Humanities disciplines include but are not limited to the following: Literature, Ethnic Studies, Foreign Language Literature, Philosophy, Ethics, and Religious Studies. Fine Arts disciplines include but are not limited to the following: Art and Art History, Music and Music History, Theater, and Dance.

SAMPLE SEMESTER PLAN

GENERAL STUDIES A.S.

Please contact the appropriate Division to speak to an advisor for your area of interest and to obtain a plan of study.

Business	256.549.8250	Language and Humanities	256.549.8278
Computer Science	256.549.8250	Math and Engineering	256.549.8322
Fine Arts	256.549.8278	Science	256.549.8280
Health, PE & Recreation	256.549.8310	Social Science	256.549.8322

FIRST SEMESTER		SECOND SEMESTER	
<u>Course</u>	<u>Credit Hours</u>	<u>Course</u>	<u>Credit Hours</u>
ART 100: Art Appreciation	3	BIO 104: Principles of Biology II	
BIO 103: Principles of Biology I		- OR -	
- OR -		BIO 202: Human Anatomy and Physiology II	4
BIO 201: Human Anatomy and Physiology I	4	CIS 146: Microcomputer Applications	3
ENG 101: English Composition I	3	ENG 102: English Composition II	3
MTH 112: Precalculus Algebra	3	PSY 200: General Psychology	3
ORI 101: Orientation to College	1		
Elective: _____	3		
Total Semester Hours	17	Total Semester Hours	13
THIRD SEMESTER		FOURTH SEMESTER	
<u>Course</u>	<u>Credit Hours</u>	<u>Course</u>	<u>Credit Hours</u>
ENG 251: American Literature I	3	ENG 252: American Literature II	3
HIS 201: United States History I	3	HIS 202: United States History II	3
PSY 210: Human Growth and Development		MUS 101: Music Appreciation	
-OR-		-OR-	
SOC 200: Introduction to Sociology	3	THR 120: Theater Appreciation	3
Elective: _____	3	SPH 106: Fundamentals of Oral	
Elective: _____	3	Communication	3
		Elective: _____	3
Total Semester Hours	15	Total Semester Hours	15
Total hours required for degree: 60-64			
<p>NOTICE(s): Students should 1) consult with an advisor and 2) refer to the Statewide Transfer and Articulation Reporting Systems (STARS) located at http://stars.troy.edu/ and the degree requirements of the intended transfer institution.</p> <p>Note: Humanities disciplines include but are not limited to the following: Literature, Ethnic Studies, Foreign Language Literature, Philosophy, Ethics, and Religious Studies. Fine Arts disciplines include but are not limited to the following: Art and Art History, Music and Music History, Theater, and Dance.</p> <p>Course offerings may vary by campus each semester; please see your advisor to register for classes.</p>			

HEALTH INFORMATION TECHNOLOGY MANAGEMENT SHORT-TERM CERTIFICATE

Advisors – Ayers Campus: Fay Scott (256.439.6876) fscott@gadsdenstate.edu

Wallace Drive Campus: Fay Scott (256.439.6876) fscott@gadsdenstate.edu;

Larrhea Sims (256.439.6904) lsims@gadsdenstate.edu

Student Progress

Grade Term Completed

Area V—Professional, Major and Elective Courses: 25

• BIO 120 - Medical Terminology.....	3	_____	_____
• HIT 134 - HIT Legal and Ethical Issues	3	_____	_____
• HIT 151 - Health Data Content and Structure	3	_____	_____
• HIT 153 - Health Care Delivery System.....	2	_____	_____
• HIT 230 - Medical Coding Systems I	3	_____	_____
• HIT 231 - Medical Coding Skills Laboratory	1	_____	_____
• HIT 254 - Organizational Improvement.....	3	_____	_____
• HIT 295 - Special Topics in HIT III.....	3	_____	_____
• OAD 217 - Office Management	3	_____	_____
• ORI 101 - Orientation to College	1	_____	_____

Total Hours Required for Certificate: 25

SAMPLE SEMESTER PLAN

HEALTH INFORMATION TECHNOLOGY MANAGEMENT SHORT-TERM CERTIFICATE

Advisors – Ayers CampusFay Scott (256.439.6876) fscott@gadsdenstate.edu**Wallace Drive Campus**Fay Scott (256.439.6876) fscott@gadsdenstate.edu;
Larrhea Sims (256.439.6904) lsims@gadsdenstate.edu

FIRST SEMESTER		SECOND SEMESTER	
<u>Course</u>	<u>Credit Hours</u>	<u>Course</u>	<u>Credit Hours</u>
BIO 120: Medical Terminology	3	HIT 134: HIT Legal and Ethical Issues	3
HIT 153: Health Care Delivery System	2	HIT 151: Health Data Content and Structure	3
HIT 295: Special Topics in HIT III	3	HIT 230: Medical Coding Systems I	3
OAD 217: Office Management	3	-AND-	
ORI 101: Orientation to College	1	HIT 231: Medical Coding Skills Laboratory	1
		HIT 254: Organizational Improvement	3
Total Semester Hours	12	Total Semester Hours	13
Total hours required for short-term certificate: 25			
Course offerings may vary by campus each semester; please see your advisor to register for classes.			

HUMAN SERVICES A.A.S.

Advisor – Wallace Drive Campus: Tina Whittington (256.549.8476) twhittington@gadsdenstate.edu

STUDENT PROGRESS

	<u>Grade</u>	<u>Term Completed</u>
Area I – Written Composition:3		
• ENG 101 - English Composition I 3		
Area II - Humanities and Fine Arts:3		
• Humanities/Fine Arts* 3		
Area III – Natural Sciences and Mathematics:7		
• MTH 116 - Mathematical Applications OR Higher level Math .. 3		
• Natural Science and Lab 4		
Area IV – History, Social and Behavioral Sciences:6		
• PSY 200 - General Psychology 3		
• SOC 200 - Introduction to Sociology..... 3		
Area V – Professional, Major and Electives:37		
• CIS 146 - Microcomputer Applications 3		
• HUS 101 - Introduction to Human Services 3		
• HUS 102 - Introduction to Casework 3		
• HUS 112 - Activity Therapy..... 3		
• HUS 211 - Introduction: Alcohol and Drug Prevention and Abuse..... 3		
• HUS 222 - Group Counseling Techniques 3		
• HUS 223 - Guidance and Counseling Techniques 3		
• HUS 224 - Clinical Internship I 3		
• HUS 225 - Clinical Internship II 3		
• HUS 226 - Clinical Internship III 3		
• HED 231 - First Aid..... 3		
• ORI 101 - Orientation to College 1		
• SPH 106—Fundamentals of Oral Communication..... 3		
Technical Specialty:15		
• HUS 110 - Special Education Issues and Interventions..... 3		
• HUS 113 - Group Dynamics 3		
• HUS 131 - Problems of Children and Youth..... 3		
• HUS 133 - Geriatrics 3		
• HUS 138 - Counseling from a Cultural Perspective OR HUS 212 - Prevention Resources in Drug and Alcohol Abuse.... 3		
• HUS 214 - Working with the Chemically Dependent..... 3		
• HUS 215 - Working with the Family of the Chemically Dependent 3		
• HUS 216 - Relapse Prevention 3		
• HUS 217 - Alcoholism and Drug Abuse Seminar..... 3		
Total Hours Required for Degree:.....71		

***Note:** Humanities and Fine Arts disciplines include but are not limited to the following: Literature, Ethnic Studies, Art and Art History, Foreign Language Literature, Music and Music History, Philosophy, Ethics, Religious Studies, Theater, and Dance.

SAMPLE SEMESTER PLAN

HUMAN SERVICES A.A.S.

Advisor – Wallace Drive Campus

Tina Whittington (256.549.8476) twhittington@gadsdenstate.edu

FALL SEMESTER		SPRING SEMESTER	
Course	Credit Hours	Course	Credit Hours
ENG 101: English Composition I	3	CIS 146: Microcomputer Applications	3
HUS 101: Introduction to Human Services	3	HUS 102: Introduction to Casework	3
HUS 211: Introduction: Alcohol and Drug Prevention and Abuse	3	HUS 222: Group Counseling Techniques	3
HUS 223: Guidance and Counseling Techniques	3	HUS 110: Special Education Issues and Interventions	
HUS 133: Geriatrics		-OR-	
-OR-		HUS 215: Working with the Family of the Chemically Dependent	3
HUS 217: Alcoholism and Drug Abuse Seminar	3	HUS 131: Problems of Children and Youth -	
ORI: Orientation to College	1	-OR-	
		HUS 216: Relapse Prevention	3
Total Semester Hours	16	Total Semester Hours	15
SUMMER SEMESTER		FALL SEMESTER	
Course	Credit Hours	Course	Credit Hours
HUS 112: Activity Therapy	3	*Humanities/Fine Arts: _____	3
HUS 113: Group Dynamics		HUS 225: Internship II	3
-OR-		MTH 116 or higher level math	3
HUS 212: Prevention Resources in Drug and Alcohol Abuse	3	SOC 200: Introduction to Sociology	3
HUS 138: Counseling from a Cultural Perspective		SPH 106: Fundamentals of Oral Communication	3
-OR-			
HUS 214: Working with the Chemically Dependent	3		
HUS 224: Internship I	3		
Total Semester Hours	12	Total Semester Hours	15
SPRING SEMESTER			
Course	Credit Hours		
HED 231: First Aid	3		
HUS 226: Internship III	3		
Natural Science and Lab	4		
PSY 200: General Psychology	3		
Total Semester Hours	13		

Total hours required for degree: 71

***Note:** Humanities and Fine Arts disciplines include but are not limited to the following: Literature, Ethnic Studies, Art and Art History, Foreign Language Literature, Music and Music History, Philosophy, Ethics, Religious Studies, Theater, and Dance.

INDUSTRIAL AUTOMATION TECHNOLOGY A.A.S.

Advisors – Ayers Campus: Tony Thrower, Electrical Building (256.835.5441) tthrower@gadsdenstate.edu

East Broad Campus: Jack Mayfield, Industrial Automation Building (256.549.8637) jmayfield@gadsdenstate.edu

STUDENT PROGRESS

	Grade	Term Completed
Area I — Written Composition: 3		
• ENG 101 - English Composition I..... 3	_____	_____
Area II — Humanities and Fine Arts: 3		
• Humanities/Fine Arts** 3	_____	_____
Area III — Natural Science or Mathematics: 6		
• INT 104 - Principles of Technology..... 3	_____	_____
• MTH 100 - Intermediate College Algebra OR numerically higher 3	_____	_____
Area IV — History, Social and Behavioral Sciences: 3		
• Economics, Geography, History, Political Science, Psychology, or Sociology 3	_____	_____
Area V — Technical Courses: 28		
Courses listed below are required.		
• EET 100 - Introduction to Engineering Technologies 3	_____	_____
• EET 109 - Electrical Blueprint Reading I 3	_____	_____
• ELT 110 - Wiring Methods..... 3	_____	_____
• INT 101 - DC Fundamentals OR EET 103 - DC Fundamentals 3	_____	_____
• INT 103 - AC Fundamentals OR EET 104 - AC Fundamentals 3	_____	_____
• INT 113 - Industrial Motor Control I..... 3	_____	_____
• INT 117 - Principles of Industrial Mechanics..... 3	_____	_____
• INT 118 - Fundamentals of Industrial Hydraulics and Pneumatics..... 3	_____	_____
• INT 184 - Introduction to Programmable Logic Controllers OR ELT 231 - Introduction to Programmable Controllers..... 3	_____	_____
• ORI 101 - Orientation to College 1	_____	_____
Additional Coursework: 33		
• CIS 146 - Microcomputer Applications 3	_____	_____
• INT 126 - Preventive Maintenance 3	_____	_____
• * INT 127 - Principles of Industrial Pumps and Piping Systems..... 3	_____	_____
• INT 128 - Principles of Industrial Environmental Controls 3	_____	_____
• * INT 134 - Principles of Industrial Maintenance Welding and Metal Cutting Techniques 3	_____	_____
• INT 139 – Introduction to Robotic Programming..... 3	_____	_____
• INT 153 - Precision Machining Fundamentals I..... 3	_____	_____

INDUSTRIAL AUTOMATION TECHNOLOGY A.A.S. continued

STUDENT PROGRESS

	<u>Grade</u>	<u>Term Completed</u>
• INT 180 - Special Topics..... 2	_____	_____
• INT 206 - Industrial Motors I 3	_____	_____
• INT 211 - Industrial Motors II 3	_____	_____
• INT 252 - Variable Speed Motor Drives 3	_____	_____
• INT 253 – Industrial Robotics..... 3	_____	_____
• INT 280 - Special Topics in Industrial Maintenance Technology 3	_____	_____
• INT 291 - Cooperative Education..... 3	_____	_____
• INT 292 - Cooperative Education..... 3	_____	_____
• INT 293 - Cooperative Education..... 3	_____	_____
• INT 296 - Co-Op 1	_____	_____
• INT 298 - Co-Op 2	_____	_____
• ELT 114 – Residential Wiring Methods..... 3	_____	_____
• ELT 115 – Residential Wiring Methods II..... 3	_____	_____
• ELT 117 - AC/DC Machines 3	_____	_____
• * ELT 118 - Commercial/Industrial Wiring I OR		
INT 158 - Industrial Wiring I..... 3	_____	_____
• ELT 122 - Advanced AC/DC Machines..... 3	_____	_____
• ELT 183 - Special Topics in Electrical Technology- NCCER Certification 3	_____	_____
• ELT 212 - Motor Controls II..... 3	_____	_____
• ELT 232 - Advanced Programmable Controllers 3	_____	_____
• ELT 244 - Conduit Bending and Installation..... 3	_____	_____
• ACR 111 - Principles of Refrigeration 3	_____	_____
• ACR 112 - HVACR Service Procedures 3	_____	_____
• DDT 104 - Basic Computer Aided Drafting and Design OR		
MDT 105 - Introduction to Computer-Aided Design (CAD) 3	_____	_____
• SPH 106 - Fundamentals of Oral Communication 3	_____	_____

***Required Courses**

Total Hours Required for Degree:.....76

NOTICE(s): For the A.A.S. Degree in Industrial Automation Technology, the student must complete a minimum of 76 credit hours – a minimum of 61 in technical courses and a minimum of 15 in general education courses – all of which must be approved by the advisor. A maximum of 9 credit hours of technical electives may be selected from any approved area of Engineering Technology programs with prior written approval from the student's major advisor. Technical courses may vary to meet student needs and to provide options. Admission Requirement: High school diploma or GED.

The student is responsible for verifying the transferability of credit in this program to a senior institution with the appropriate senior institution advisor.

****Note:** Humanities and Fine Arts disciplines include but are not limited to the following: Literature, Ethnic Studies, Art and Art History, Foreign Language Literature, Music and Music History, Philosophy, Ethics, Religious Studies, Theater, and Dance.

SAMPLE SEMESTER PLAN

INDUSTRIAL AUTOMATION TECHNOLOGY A.A.S.**Advisors – Ayers Campus**Tony Thrower, Electrical Building (256.835.5441) tthrower@gadsdenstate.edu**East Broad Campus**Jack Mayfield, Industrial Automation Building (256.549.8637) jmayfield@gadsdenstate.edu

FIRST SEMESTER		SECOND SEMESTER	
<u>Course</u>	<u>Credit Hours</u>	<u>Course</u>	<u>Credit Hours</u>
EET 100: Introduction to Engineering Technologies	3	INT 101: DC Fundamentals	3
EET 109: Electrical Blueprint Reading I	3	INT 117: Principles of Industrial Maintenance	3
ELT 110: Wiring Methods	3	INT 118: Fundamentals of Industrial Hydraulics and Pneumatics	3
INT 127: Principles of Industrial Pumps and Piping Systems	3	ENG 101: English Composition I	3
MTH 100: Intermediate College Algebra or numerically higher MTH	3	*Humanities/Fine Arts: _____	3
ORI 101: Orientation to College	1		
Total Semester Hours	16	Total Semester Hours	15
THIRD SEMESTER		FOURTH SEMESTER	
<u>Course</u>	<u>Credit Hours</u>	<u>Course</u>	<u>Credit Hours</u>
INT 103: AC Fundamentals	3	ELT 232: Advanced Programmable Controllers	3
INT 113: Industrial Motor Control I	3	INT 126: Preventive Maintenance	3
INT 158: Industrial Wiring I	3	INT 134: Principles of Industrial Maintenance Welding and Metal Cutting Techniques	3
INT 280: Special Topics in Industrial Maintenance Technology	3	INT 139: Introduction to Robotic Programming	3
Approved Elective: _____	3	INT 184: Introduction to Programmable Logic Controllers	3
Total Semester Hours	15	Total Semester Hours	15
FIFTH SEMESTER			
<u>Course</u>	<u>Credit Hours</u>		
INT 104: Principles of Technology	3		
Economics, Geography, History, Political Science, Psychology, or Sociology: _____	3		
Approved Elective: _____	3		
Approved Elective: _____	3		
Total Semester Hours	15		

Total hours required for degree: 76

NOTICE(s): For the A.A.S. Degree in Industrial Automation Technology, the student must complete a minimum of 76 credit hours – a minimum of 61 in technical courses and a minimum of 15 in general education courses – all of which must be approved by the advisor. A maximum of 9 credit hours of technical electives may be selected from any approved area of Engineering Technology programs with prior written approval from the student's major advisor. Technical courses may vary to meet student needs and to provide options. Admission Requirement: High school diploma or GED. The student is responsible for verifying the transferability of credit in this program to a senior institution with the appropriate senior institution advisor.

***Note:** Humanities and Fine Arts disciplines include but are not limited to the following: Literature, Ethnic Studies, Art and Art History, Foreign Language Literature, Music and Music History, Philosophy, Ethics, Religious Studies, Theater, and Dance.

Course offerings may vary by campus each semester; please see your advisor to register for classes.

INDUSTRIAL AUTOMATION TECHNOLOGY CERTIFICATE

Advisors – Ayers Campus: Tony Thrower, Electrical Building (256.835.5441) tthrower@gadsdenstate.edu;

East Broad Campus: Jack Mayfield, Industrial Automation Building (256.549.8637) jmayfield@gadsdenstate.edu

STUDENT PROGRESS

	Grade	Term Completed
Area I — Written Composition: 3		
• ENG 101 - English Composition I3	_____	_____
Area II — Humanities and Fine Arts: 0		
Area III — Natural Science or Mathematics: 3		
• MTH 100 - Intermediate College Algebra OR numerically higher3	_____	_____
Area IV — History, Social and Behavioral Sciences: 0		
Area V – Technical Courses:.....37		
• ACR 111 - Principles of Refrigeration.....3	_____	_____
• ACR 112 - HVACR Service Procedures.....3	_____	_____
• CIS 146 - Microcomputer Applications3	_____	_____
• DDT 104 - Basic Computer Aided Drafting and Design OR MDT 105 - Introduction to Computer-Aided Design (CAD).....3	_____	_____
• * EET 100 - Introduction to Engineering Technologies3	_____	_____
• ELT 110 - Wiring Methods.....3	_____	_____
• INT 101 - DC Fundamentals.....3	_____	_____
• INT 103 - AC Fundamentals.....3	_____	_____
• INT 113 - Industrial Motor Control I3	_____	_____
• * INT 117 - Principles of Industrial Mechanics3	_____	_____
• * INT 118 - Fundamentals of Industrial Hydraulics and Pneumatics.....3	_____	_____
• * INT 126 - Preventive Maintenance.....3	_____	_____
• * INT 127 - Principles of Industrial Pumps and Piping Systems3	_____	_____
• INT 180 - Special Topics2	_____	_____
• INT 184 - Introduction to Programmable Logic Controllers OR ELT 231 - Introduction to Programmable Controllers3	_____	_____
• * INT 158 - Industrial Wiring I OR EET 118 - Commercial/Industrial Wiring I.....3	_____	_____
• INT 291 - Cooperative Education3	_____	_____
• INT 296 - Co-Op.....1	_____	_____
• INT 298 - Co-Op.....2	_____	_____
• * ORI 101 - Orientation to College1	_____	_____
• SPH 106 - Fundamentals of Oral Communication.....3	_____	_____
• Approved Area V Electives3	_____	_____
*Required Courses		

Please see Industrial Automation Technology A.A.S. Area V for available courses.

Total Hours Required for Certificate: 43

NOTICE(s): For the certificate in Industrial Automation Technology, the student must complete at least 43 credit hours – at least 37 in technical courses and at least 6 in general education courses –all of which must be approved by the advisor. Technical courses, which may vary to meet student needs and to provide options, must be selected from those listed above. Admission Requirement: High school diploma or GED.

SAMPLE SEMESTER PLAN

INDUSTRIAL AUTOMATION TECHNOLOGY CERTIFICATE**Advisors – Ayers Campus**Tony Thrower, Electrical Building (256.835.5441) tthrower@gadsdenstate.edu**East Broad Campus**Jack Mayfield, Industrial Automation Building (256.549.8637) jmayfield@gadsdenstate.edu

FIRST SEMESTER		SECOND SEMESTER	
<u>Course</u>	<u>Credit Hours</u>	<u>Course</u>	<u>Credit Hours</u>
EET 100: Introduction to Engineering Technologies	3	INT 101: DC Fundamentals	3
EET 109: Electrical Blueprint Reading I	3	INT 117: Principles of Industrial Mechanics	3
ELT 110: Wiring Methods	3	INT 118: Fundamentals of Industrial Hydraulics and Pneumatics	3
INT 127: Principles of Industrial Pumps and Piping Systems	3	INT 126: Preventive Maintenance	3
MTH 100: Intermediate College Algebra or numerically higher MTH	3	ENG 101: English Composition I	3
ORI 101: Orientation to College	1		
Total Semester Hours	16	Total Semester Hours	15
THIRD SEMESTER			
<u>Course</u>	<u>Credit Hours</u>		
INT 103: AC Fundamentals	3		
INT 113: Industrial Motor Control I	3		
INT 158: Industrial Wiring I	3		
INT 280: Special Topics in Industrial Maintenance Technology			
-OR-			
Approved Elective: _____	3		
Total Semester Hours	12		
Total hours required for certificate: 43			
NOTICE(s): For the certificate in Industrial Automation Technology, the student must complete at least 43 credit hours – at least 37 in technical courses and at least 6 in general education courses –all of which must be approved by the advisor. Technical courses, which may vary to meet student needs and to provide options, must be selected from those listed above. Admission Requirement: High school diploma or GED.			
Please see Industrial Automation Technology A.A.S. Area V for available courses.			
Course offerings may vary by campus each semester; please see your advisor to register for classes.			

INDUSTRIAL AUTOMATION TECHNOLOGY SHORT-TERM CERTIFICATE

Advisors – Ayers Campus: Tony Thrower, Electrical Building (256.835.5441) tthrower@gadsdenstate.edu;

East Broad Campus: Jack Mayfield, Industrial Automation Building (256.549.8637) jmayfield@gadsdenstate.edu

STUDENT PROGRESS

Required Courses:

	<u>Grade</u>	<u>Term Completed</u>
• EET 100 - Introduction to Engineering Technologies..... 3	_____	_____
• EET 109 - Electrical Blueprint Reading I..... 3	_____	_____
• ELT 110 - Wiring Methods 3	_____	_____
• INT 113 - Industrial Motor Control I 3	_____	_____
• INT 117 - Principles of Industrial Mechanics 3	_____	_____
• INT 118 - Fundamentals of Industrial Hydraulics and Pneumatics 3	_____	_____
• INT 126 - Preventive Maintenance..... 3	_____	_____
• INT 127 - Principles of Industrial Pumps and Piping Systems..... 3	_____	_____
• INT 158 - Industrial Wiring I OR ELT 118 - Commercial/Industrial Wiring I..... 3	_____	_____
• ORI 101 - Orientation to College 1	_____	_____
Total Hours Required for Certificate:28		

NOTICE(s): For the short-term certificate in Industrial Automation Technology, the student must complete 28 credit hours from the courses listed above. All courses must be approved by the advisor. Admission Requirement: High school diploma or GED.

SAMPLE SEMESTER PLAN

INDUSTRIAL AUTOMATION TECHNOLOGY SHORT-TERM CERTIFICATE

Advisors – Ayers CampusTony Thrower, Electrical Building (256.835.5441) tthrower@gadsdenstate.edu**East Broad Campus**Jack Mayfield, Industrial Automation Building (256.549.8637) jmayfield@gadsdenstate.edu

FIRST SEMESTER		SECOND SEMESTER	
<u>Course</u>	<u>Credit Hours</u>	<u>Course</u>	<u>Credit Hours</u>
EET 100: Introduction to Engineering Technologies	3	INT 113: Industrial Motor Control I	3
EET 109: Electrical Blueprint Reading I	3	INT 117: Principles of Industrial Mechanics	3
ELT 110: Wiring Methods	3	INT 118: Fundamentals of Industrial Hydraulics and Pneumatics	3
INT 127: Principles of Industrial Pumps and Piping Systems	3	INT 126: Preventive Maintenance	3
ORI 101: Orientation to College	1	INT 158: Industrial Wiring I	
Total Semester Hours	13	Total Semester Hours	15
Total hours required for short-term certificate: 28			
NOTICE(s): For the short-term certificate in Industrial Automation Technology, the student must complete 28 credit hours from the courses listed above. All courses must be approved by the advisor. Admission Requirement: High school diploma or GED.			
Course offerings may vary by campus each semester; please see your advisor to register for classes.			

LEGAL TRANSCRIPTIONIST SHORT-TERM CERTIFICATE

Advisors – Ayers Campus: Gerri Langley (256.835.5446) glangley@gadsdenstate.edu;

East Broad Campus: Fay Scott (256.439.6876) fscott@gadsdenstate.edu;

Larrhea Sims (256.439.6904) lsims@gadsdenstate.edu

STUDENT PROGRESS

	<u>Grade</u>	<u>Term Completed</u>
Area V—Professional, Major and Elective Courses:25		
• BUS 215 - Business Communication.....3	_____	_____
• BUS 263 - The Legal and Social Environment of Business3	_____	_____
• OAD 101 - Beginning Keyboarding3	_____	_____
• OAD 103 - Intermediate Keyboarding.....3	_____	_____
• OAD 104 - Advanced Keyboarding3	_____	_____
• OAD 125 - Word Processing3	_____	_____
• OAD 200 - Machine Transcription3	_____	_____
• OAD 202 - Legal Transcription.....3	_____	_____
• ORI 101 - Orientation to College1	_____	_____
Total Hours Required for Certificate: 25		

SAMPLE SEMESTER PLAN

LEGAL TRANSCRIPTIONIST SHORT-TERM CERTIFICATE**Advisors – Ayers Campus**Gerri Langley (256.835.5446) glangley@gadsdenstate.edu;**East Broad Campus**Fay Scott (256.439.6876) fscott@gadsdenstate.edu;Larrhea Sims (256.439.6904) lsims@gadsdenstate.edu

FIRST SEMESTER		SECOND SEMESTER	
<u>Course</u>	<u>Credit Hours</u>	<u>Course</u>	<u>Credit Hours</u>
BUS 263: The Legal and Social Environment of Business	3	BUS 215: Business Communication	3
OAD 101: Beginning Keyboarding	3	OAD 103: Intermediate Keyboarding	3
ORI 101: Orientation to College	1	OAD 125: Word Processing	3
		OAD 200: Machine Transcription	3
Total Semester Hours	7	Total Semester Hours	12
THIRD SEMESTER			
<u>Course</u>	<u>Credit Hours</u>		
OAD 104: Advanced Keyboarding	3		
OAD 202: Legal Transcription	3		
Total Semester Hours	6		
Total hours required for short-term certificate: 25			
Course offerings may vary by campus each semester; please see your advisor to register for classes.			

LIBERAL ARTS A.A.

Advisors – Ayers Campus: Beth Gray (256.835.5468) bgray@gadsdenstate.edu;

McClellan Center: Julian Thornton (256.238.9350) jthornton@gadsdenstate.edu;

Wallace Drive Campus: Tabitha Bozeman (256.549.8279) tbozeman@gadsdenstate.edu

STUDENT PROGRESS

	<u>Grade</u>	<u>Term Completed</u>
Area I – Written Composition: 6		
• ENG 101 - English Composition I 3	_____	_____
• ENG 102 - English Composition II 3	_____	_____
Area II – Humanities and Fine Arts¹: 12		
• Literature (A sequence in Literature OR History is required) .. 3	_____	_____
• Fine Arts* 3	_____	_____
• Humanities/Fine Arts* 6	_____	_____
Area III – Natural Sciences and Mathematics¹: 11		
• MTH 112 - Precalculus Algebra OR Higher level Math 3	_____	_____
• Natural Science and Lab 8	_____	_____
Area IV – History, Social and Behavioral Sciences¹: 12		
• History (A sequence in Literature OR History is required)..... 3	_____	_____
• History, Social, or Behavioral Science..... 3	_____	_____
• Social and Behavioral Sciences..... 6	_____	_____
Area V – Pre-Professional, Pre-Major and Electives¹: 19-23		
• CIS 146 - Microcomputer Applications OR Higher CIS elective . 3	_____	_____
• ORI 101 - Orientation to College 1	_____	_____
• SPH 106 - Fundamentals of Oral Communication (elective) 3	_____	_____
• Electives..... 15-19	_____	_____
Total Hours Required for Degree:..... 60-64		

NOTICE(s): ¹Students should 1) consult with an advisor and 2) refer to the Statewide Transfer and Articulation Reporting Systems (STARS) located at <http://stars.troy.edu/> and the degree requirements of the intended transfer institution.

***Note:** Humanities disciplines include but are not limited to the following: Literature, Ethnic Studies, Foreign Language Literature, Philosophy, Ethics, and Religious Studies. Fine Arts disciplines include but are not limited to the following: Art and Art History, Music and Music History, Theater, and Dance.

SAMPLE SEMESTER PLAN

LIBERAL ARTS A.S.

Advisors – Ayers Campus

Beth Gray (256.835.5468) bgray@gadsdenstate.edu;

McClellan Center

Julian Thornton (256.238.9350) jthornton@gadsdenstate.edu;

Wallace Drive Campus

Tabitha Bozeman (256.549.8279) tbozeman@gadsdenstate.edu

FIRST SEMESTER		SECOND SEMESTER	
<u>Course</u>	<u>Credit Hours</u>	<u>Course</u>	<u>Credit Hours</u>
ART 100: Art Appreciation	3	BIO 104: Principles of Biology II	4
BIO 103: Principles of Biology I	4	CIS 146: Microcomputer Applications	3
ENG 101: English Composition I	3	ENG 102: English Composition II	3
MTH 112: Precalculus Algebra	3	PSY 200: General Psychology	3
ORI 101: Orientation to College	1		
Elective: _____	3		
Total Semester Hours	17	Total Semester Hours	13
THIRD SEMESTER		FOURTH SEMESTER	
<u>Course</u>	<u>Credit Hours</u>	<u>Course</u>	<u>Credit Hours</u>
ENG 251: American Literature I	3	ENG 252: American Literature II	3
HIS 201: United States History I	3	HIS 202: United States History II	3
PSY 210: Human Growth and Development		MUS 101: Music Appreciation	
-OR-		-OR-	
SOC 200: Introduction to Sociology	3	THR 120: Theater Appreciation	3
Elective: _____	3	SPH 106: Fundamentals of Oral	
Elective: _____	3	Communication	3
		Elective: _____	3
Total Semester Hours	15	Total Semester Hours	15
Total hours required for degree: 60-64			
<p>NOTICE(s): Students should 1) consult with an advisor and 2) refer to the Statewide Transfer and Articulation Reporting Systems (STARS) located at http://stars.troy.edu/ and the degree requirements of the intended transfer institution.</p> <p>Note: Humanities disciplines include but are not limited to the following: Literature, Ethnic Studies, Foreign Language Literature, Philosophy, Ethics, and Religious Studies. Fine Arts disciplines include but are not limited to the following: Art and Art History, Music and Music History, Theater, and Dance.</p> <p>Course offerings may vary by campus each semester; please see your advisor to register for classes.</p>			

MARKETING MANAGEMENT A.A.S.

Advisor – East Broad Campus: Jamie Payton (256.549.8347) jpayton@gadsdenstate.edu;
Angela Waits (256.549.8342) await@gadsdenstate.edu; James Yohe (256.439.6859) jyohe@gadsdenstate.edu

STUDENT PROGRESS

	<u>Grade</u>	<u>Term Completed</u>
Area I – Written Composition:..... 6		
• ENG 101 - English Composition I.....3	_____	_____
• ENG 102 - English Composition II.....3	_____	_____
Area II – Humanities and Fine Arts:..... 3		
• Humanities/Fine Arts*3	_____	_____
Area III – Natural Sciences and Mathematics: 7		
• MTH 116 - Mathematical Applications3	_____	_____
• Natural Science4	_____	_____
Area IV – History, Social and Behavioral Sciences: 3		
• PSY 200 - General Psychology3	_____	_____
Area V – Pre-Professional, Pre-Major and Electives: 49		
• BUS 100 - Introduction to Business.....3	_____	_____
• BUS 146 - Personal Finance.....3	_____	_____
• BUS 186 - Elements of Supervision3	_____	_____
• BUS 241 - Principles of Accounting I3	_____	_____
• BUS 263 - The Legal and Social Environment of Business.....3	_____	_____
• BUS 276 - Human Resource Management.....3	_____	_____
• BUS 291 - Alternating Business Co-Op I OR		
BUS 296 - Business Internship I.....3	_____	_____
• CIS 146 - Microcomputer Applications3	_____	_____
• MKT 122 - Visual Merchandising.....3	_____	_____
• MKT 123 - Fundamentals of Selling3	_____	_____
• MST 209 - Physical Supply and Distribution Management3	_____	_____
• MKT 220 - Advertising and Sales Promotion.....3	_____	_____
• MKT 221 - Consumer Behavior3	_____	_____
• MST 223 - Special Studies in Personnel Administration3	_____	_____
• MST 225 - Special Studies in Business Management3	_____	_____
• ORI 101 - Orientation to College1	_____	_____
• SPH 106 - Fundamentals of Oral Communication.....3	_____	_____
Total Hours Required for Degree: 68		

***Note:** Humanities and Fine Arts disciplines include but are not limited to the following: Literature, Ethnic Studies, Art and Art History, Foreign Language Literature, Music and Music History, Philosophy, Ethics, Religious Studies, Theater, and Dance.

SAMPLE SEMESTER PLAN

MARKETING MANAGEMENT A.A.S.

Advisor – East Broad Campus:

Jamie Payton (256.549.8347) jpayton@gadsdenstate.edu;Angela Waits (256.549.8342) await@gadsdenstate.edu; James Yohe (256.439.6859) jyohe@gadsdenstate.edu

FALL SEMESTER		SPRING SEMESTER	
<u>Course</u>	<u>Credit Hours</u>	<u>Course</u>	<u>Credit Hours</u>
ENG 101: English Composition I	3	CIS 146: Microcomputer Applications	3
BUS 100: Introduction to Business	3	ENG 102: English Composition II	3
BUS 263: The Legal and Social Environment of Business	3	MKT 122: Visual Merchandising	3
MKT 123: Fundamentals of Selling	3	MKT 221: Consumer Behavior	3
MTH 116: Mathematical Applications	3	MST 223: Special Studies in Personnel Administration	3
ORI 101: Orientation to College	1		
Total Semester Hours	16	Total Semester Hours	15
SUMMER SEMESTER		FALL SEMESTER	
<u>Course</u>	<u>Credit Hours</u>	<u>Course</u>	<u>Credit Hours</u>
PSY 200: General Psychology	3	BUS 186: Elements of Supervision	3
SPH 106: Fundamentals of Oral Communication	3	BUS 276: Human Resource Management	3
		MKT 220: Advertising and Sales Promotion	3
		MST 209: Physical Supply and Distribution Management	3
		Natural Science w/lab: _____	4
Total Semester Hours	6	Total Semester Hours	16
SPRING SEMESTER			
<u>Course</u>	<u>Credit Hours</u>		
BUS 146: Personal Finance	3		
BUS 241: Principles of Accounting I	3		
BUS 296: Business Internship I	3		
*Humanities/Fine Arts: _____	3		
MST 225: Special Studies in Business Management	3		
Total Semester Hours	15		
Total hours required for degree: 68			
*Note: Humanities and Fine Arts disciplines include but are not limited to the following: Literature, Ethnic Studies, Art and Art History, Foreign Language Literature, Music and Music History, Philosophy, Ethics, Religious Studies, Theater, and Dance.			

MASSAGE THERAPY SHORT-TERM CERTIFICATE

Advisors – Valley Street Campus: Joshua Olander (256.549.8669) jolander@gadsdenstate.edu

STUDENT PROGRESS

	<u>Grade</u>	<u>Term Completed</u>
Area V – Professional, Major and Elective Courses: 29		
• MSG 102 - Therapeutic Massage Lab I.....3	_____	_____
• MSG 103 - Anatomy and Physiology3	_____	_____
• MSG 104 - Musculo-Skeletal and Kinesiology I3	_____	_____
• MSG 105 - Therapeutic Massage Supervised Clinical I2	_____	_____
• MSG 108 - Foundations of Therapeutic Massage2	_____	_____
• MSG 200 - Business and Marketing Plans1	_____	_____
• MSG 201 - Therapeutic Massage for Special Populations2	_____	_____
• MSG 202 - Therapeutic Massage Lab II.....3	_____	_____
• MSG 203 - Pathology3	_____	_____
• MSG 204 - Musculo-Skeletal and Kinesiology II3	_____	_____
• MSG 205 - Therapeutic Massage Supervised Clinical II2	_____	_____
• MSG 206 - Licensure Exam Review1	_____	_____
• ORI 101 - Orientation to College1	_____	_____

Total Hours Required for Certificate: 29

NOTICE(s): This is a Short Certificate Program.

Admission Requirements: The student must have a high school diploma or GED, a qualifying score on the reading portion of the Accuplacer Placement test, and be at least 17 years of age. This program is offered on the Valley Street Campus. Applicants will be admitted once per year, in Fall semester.

This program is a Gainful Employment Program. Information on the graduation rate, award type, average loan debt, number of students borrowing money, and the cost and length of this program can be found at: <http://www.gadsdenstate.edu/sites/default/files/u21/51.3501-Massage%20Therapy.pdf>.

SAMPLE SEMESTER PLAN

MASSAGE THERAPY SHORT-TERM CERTIFICATE

Advisors – Valley Street Campus

Joshua Olander (256.549.8669) jolander@gadsdenstate.edu

FIRST SEMESTER		SECOND SEMESTER	
<u>Course</u>	<u>Credit Hours</u>	<u>Course</u>	<u>Credit Hours</u>
MSG 102: Therapeutic Massage Lab I	3	MSG 200: Business and Marketing Plans	1
MSG 103: Anatomy and Physiology	3	MSG 201: Therapeutic Massage for Special Populations	2
MSG 104: Musculo-Skeletal & Kinesiology I	3	MSG 202: Therapeutic Massage Lab II	3
MSG 105: Therapeutic Massage Supervised Clinical I	2	MSG 203: Pathology	3
MSG 108: Foundations of Therapeutic Massage	2	MSG 204: Musculo-Skeletal & Kinesiology II	3
ORI 101: Orientation to College	1	MSG 205: Therapeutic Massage Supervised Clinical II	2
		MSG 206: Licensure Exam Review	1
Total Semester Hours	14	Total Semester Hours	15

Total hours required for short-term certificate: 29

Admission Requirements: The student must have a high school diploma or GED, a qualifying score on the reading portion of the Accuplacer Placement test, and be at least 17 years of age. Applicants will be admitted once per year, in Fall semester.

This program is offered on the Valley Street Campus.

MECHANICAL DESIGN TECHNOLOGY A.A.S.

Advisor – East Broad Campus: James Wilson, Bevill Center (256.549.8659) jwilson@gadsdenstate.edu

STUDENT PROGRESS

	<u>Grade</u>	<u>Term Completed</u>
Area I — Written Composition: 3		
• ENG 101 - English Composition I3	_____	_____
Area II — Humanities and Fine Arts:..... 3		
• Humanities/Fine Arts**3	_____	_____
Area III — Natural Science or Mathematics: 6		
• INT 104 - Principles of Technology3	_____	_____
• MTH 100 - Intermediate College Algebra OR numerically higher.....3	_____	_____
Area IV - History, Social and Behavioral Sciences: 3		
• Economics, Geography, History, Political Science, Psychology, or Sociology.....3	_____	_____
Area V — Technical Courses: 22		
The following courses are required.		
• MDT 100 - Engineering Blueprints3	_____	_____
• CET 101 - Introduction to Engineering Technology3	_____	_____
• MDT 105 - Introduction to Computer-Aided Design (CAD)3	_____	_____
• MDT 146 - AutoCAD CADD3	_____	_____
• MDT 147 - Inventor CADD3	_____	_____
• CET 215 - Statics3	_____	_____
• CET 217 - Strength of Materials3	_____	_____
• ORI 101 - Orientation to College1	_____	_____
Additional Coursework: 33		
• CIS 146 - Microcomputer Applications.....3	_____	_____
• * MDT 111 - Mechanical Drawing3	_____	_____
• MDT 122 - Architectural Drawing.....3	_____	_____
• MDT 123 - Architectural Drawing II.....3	_____	_____
• MDT 187 - Advanced Inventor CADD3	_____	_____
• * MDT 202 - SOLID WORKS CADD3	_____	_____
• MDT 203 - Pro-Engineering CADD3	_____	_____
• * MDT 211 - Advanced Mechanical Drawings.....3	_____	_____
• MDT 215 - Co-Op.....1	_____	_____
• MDT 216 - Co-Op.....2	_____	_____
• MDT 217 - Co-Op.....3	_____	_____
• * MDT 221 - Machine Design3	_____	_____
• MDT 252 - Advanced SOLID WORKS CADD3	_____	_____
• MDT 261 - HVAC and Pipe Systems Design3	_____	_____
• MDT 271 - Structural and Weld Design.....3	_____	_____
• MDT 272 - Electrical and Electronic Design3	_____	_____

MECHANICAL DESIGN TECHNOLOGY A.A.S. continued

STUDENT PROGRESS

	<u>Grade</u>	<u>Term Completed</u>
• MDT 280 - 3-D Studio Max 3	_____	_____
• MDT 293 - Advanced Pro-Engineer 3	_____	_____
• MDT Elective..... 3	_____	_____
• SPH 106 - Fundamentals of Oral Communication 3	_____	_____

***Required Courses**

Total Hours Required for Degree:70

NOTICE(s): For the A.A. S. Degree in Civil Engineering Technology, Mechanical Design Technology Specialty, the student must complete a minimum of 70 credit hours — a minimum of 55 in technical courses and a minimum of 15 in general education courses — all of which must be approved by the advisor. A maximum of 9 credit hours of technical electives may be selected from any approved area of Engineering Technology programs with prior written approval from the student’s major advisor. Technical courses may vary to meet student needs and to provide options. Admission Requirement: High school diploma or GED.

The student is responsible for verifying the transferability of credit in this program to a senior institution with the appropriate senior institution advisor.

This program is offered at the East Broad Campus only.

****Note:** Humanities and Fine Arts disciplines include but are not limited to the following: Literature, Ethnic Studies, Art and Art History, Foreign Language Literature, Music and Music History, Philosophy, Ethics, Religious Studies, Theater, and Dance.

SAMPLE SEMESTER PLAN

MECHANICAL DESIGN TECHNOLOGY A.A.S.

Advisor – East Broad Campus

James Wilson, Bevill Center (256.549.8659) jwilson@gadsdenstate.edu

FIRST SEMESTER		SECOND SEMESTER	
<u>Course</u>	<u>Credit Hours</u>	<u>Course</u>	<u>Credit Hours</u>
MDT 100: Engineering Blueprints	3	MDT 111: Mechanical Drawing	3
CET 101: Introduction to Engineering Technology	3	MDT 146: AutoCAD CADD	3
MDT 105: Introduction to Computer-Aided Design (CAD)	3	INT 104: Principles of Technology	3
MTH 100: Intermediate College Algebra or numerically higher MTH	3	ENG 101: English Composition I	3
ORI 101: Orientation to College	1	*Humanities/Fine Arts: _____	3
Total Semester Hours	13	Total Semester Hours	15
THIRD SEMESTER		FOURTH SEMESTER	
<u>Course</u>	<u>Credit Hours</u>	<u>Course</u>	<u>Credit Hours</u>
MDT 203: Pre-engineering CADD	3	MDT 211: Advanced Mechanical Drawing	3
MDT 221: Machine Design	3	MDT 202: Solid Works CADD	3
MDT 261: HVAC and Pipe Systems Design	3	CET 215: Statics	3
CET 217: Strength of Materials	3	MDT 122: Architectural Drawings	3
MDT 147: Inventor CADD	3	Economics, Geography, History, Political Science, Psychology, or Sociology: _____	3
Total Semester Hours	15	Total Semester Hours	15
FIFTH SEMESTER			
<u>Course</u>	<u>Credit Hours</u>		
MDT 187: Advanced Inventor CADD	3		
MDT 252: Advanced Solid Works CADD	3		
MDT 271: Structural and Weld Design	3		
MDT 272: Electrical and Electronic Design	3		
Total Semester Hours	12		

Total hours required for degree: 70

NOTICE(s): For the A.A. S. Degree in Civil Engineering Technology, Mechanical Design Technology Specialty, the student must complete a minimum of 70 credit hours — a minimum of 55 in technical courses and a minimum of 15 in general education courses — all of which must be approved by the advisor. A maximum of 9 credit hours of technical electives may be selected from any approved area of Engineering Technology programs with prior written approval from the student's major advisor. Technical courses may vary to meet student needs and to provide options. Admission Requirement: High school diploma or GED.

The student is responsible for verifying the transferability of credit in this program to a senior institution with the appropriate senior institution advisor.

This program is offered at the East Broad Campus only.

***Note:** Humanities and Fine Arts disciplines include but are not limited to the following: Literature, Ethnic Studies, Art and Art History, Foreign Language Literature, Music and Music History, Philosophy, Ethics, Religious Studies, Theater, and Dance.

MECHANICAL DESIGN TECHNOLOGY CERTIFICATE

Advisor – East Broad Campus: James Wilson, Bevill Center (256.549.8659) jwilson@gadsdenstate.edu

STUDENT PROGRESS

	<u>Grade</u>	<u>Term Completed</u>
Area I–Written Composition: 3		
• ENG 101 - English Composition I3	_____	_____
Area II–Humanities and Fine Arts: 0		
Area III–Natural Science or Mathematics: 3		
• MTH 100 - Intermediate College Algebra OR numerically higher.....3	_____	_____
Area IV—History, Social and Behavioral Sciences:.....0		
Area V–Technical Courses:.....40		
• * MDT 100 - Engineering Blueprints.....3	_____	_____
• * CET 101 - Introduction to Engineering Technology3	_____	_____
• CIS 146 - Microcomputer Applications.....3	_____	_____
• * MDT 105 - Introduction to Computer-Aided Design (CAD) ...3	_____	_____
• * MDT 111 - Mechanical Drawing3	_____	_____
• MDT 122 - Architectural Drawing.....3	_____	_____
• * MDT 146 - AutoCAD CADD3	_____	_____
• * MDT 147 - Inventor CADD3	_____	_____
• MDT 202 - SOLID WORKS CADD3	_____	_____
• * MDT 211 - Advanced Mechanical Drawings.....3	_____	_____
• MDT 215 - Co-Op.....1	_____	_____
• MDT 216 - Co-Op.....2	_____	_____
• MDT 217 - Co-Op.....3	_____	_____
• MDT 221 - Machine Design3	_____	_____
• MDT 261 - HVAC and Pipe Systems Design3	_____	_____
• MDT 271 - Structural and Weld Design.....3	_____	_____
• MDT 272 - Electrical and Electronic Design.....3	_____	_____
• * ORI 101 - Orientation to College1	_____	_____
• SPH 106 - Fundamentals of Oral Communication3	_____	_____
• Approved Area V Elective3	_____	_____
*Required Courses		

Total Hours Required for Certificate:..... 46

NOTICE(s): For the certificate in Civil Engineering Technology, Mechanical Design Technology Specialty, the student must complete at least 46 credit hours – at least 40 in technical courses and at least 6 in general education courses – all of which must be approved by the advisor. Technical courses, which may vary to meet student needs and to provide options, must be selected from those listed above. Admission Requirement: High school diploma or GED.

The student is responsible for verifying the transferability of credit in this program to a senior institution with the appropriate senior institution advisor.

This program is offered at the East Broad Campus only.

SAMPLE SEMESTER PLAN

MECHANICAL DESIGN TECHNOLOGY CERTIFICATE

Advisor – East Broad Campus

James Wilson, Bevill Center (256.549.8659) jwilson@gadsdenstate.edu

FIRST SEMESTER		SECOND SEMESTER	
<u>Course</u>	<u>Credit Hours</u>	<u>Course</u>	<u>Credit Hours</u>
MDT 100: Engineering Blueprints	3	MDT 111: Mechanical Drawing	3
CET 101: Introduction to Engineering Technology	3	MDT 146: AutoCAD CADD	3
MDT 105: Introduction to CAD	3	MDT 271: Structural and Weld Design	3
MTH 100: Intermediate College Algebra or numerically higher MTH	3	MDT 272: Electrical and Electronic Design	3
ORI 101: Orientation to College	1		
Total Semester Hours	13	Total Semester Hours	12
THIRD SEMESTER		FOURTH SEMESTER	
<u>Course</u>	<u>Credit Hours</u>	<u>Course</u>	<u>Credit Hours</u>
MDT 221: Machine Design	3	MDT 147: Inventor CADD	3
MDT 261: HVAC and Pipe Systems Design	3	MDT 211: Advanced Mechanical Drawing	3
ENG 101: English Composition I	3	CIS 146: Microcomputer Applications	3
SPH 106: Fundamentals of Oral Communication	3		
Total Semester Hours	12	Total Semester Hours	9
Total hours required for certificate: 46			
<p>NOTICE(s): For the certificate in Civil Engineering Technology, Mechanical Design Technology Specialty, the student must complete at least 46 credit hours – at least 40 in technical courses and at least 6 in general education courses – all of which must be approved by the advisor. Technical courses, which may vary to meet student needs and to provide options, must be selected from those listed above. Admission Requirement: High school diploma or GED.</p> <p>The student is responsible for verifying the transferability of credit in this program to a senior institution with the appropriate senior institution advisor.</p> <p>This program is offered at the East Broad Campus only.</p>			

MECHANICAL DESIGN TECHNOLOGY SHORT-TERM CERTIFICATE

Advisor – East Broad Campus: James Wilson, Bevill Center (256.549.8659) jwilson@gadsdenstate.edu

STUDENT PROGRESS

Technical courses:

	<u>Grade</u>	<u>Term Completed</u>
• CET 101 - Introduction to Engineering Technology 3	_____	_____
• MDT 100 - Engineering Blueprints..... 3	_____	_____
• MDT 105 - Introduction to Computer-Aided Design (CAD) 3	_____	_____
• MDT 111 - Mechanical Drawing 3	_____	_____
• MDT 122 - Architectural Drawing..... 3	_____	_____
• MDT 146 - AutoCAD CADD 3	_____	_____
• MDT 147 - Inventor CADD 3	_____	_____
• MDT 202 - SOLID WORKS CADD 3	_____	_____
• MDT 252 - Advanced SOLID WORKS CADD 3	_____	_____
• ORI 101 - Orientation to College 1	_____	_____

Total Hours Required for Short-Term Certificate:25

NOTICE(s): For the short-term certificate in Mechanical Design Technology, the student must complete all of the total hours required for short-term certificate. Courses will be selected from those listed above, which must be approved by the advisor. Required courses may vary to provide options and to meet student needs. Admission Requirement: High school diploma or GED

This program is offered at the East Broad Campus only.

SAMPLE SEMESTER PLAN

MECHANICAL DESIGN TECHNOLOGY SHORT-TERM CERTIFICATE

Advisor – East Broad Campus

James Wilson, Bevill Center (256.549.8659) jwilson@gadsdenstate.edu

FIRST SEMESTER		SECOND SEMESTER	
<u>Course</u>	<u>Credit Hours</u>	<u>Course</u>	<u>Credit Hours</u>
MDT 100: Engineering Blueprints	3	CET 101: Introduction to Engineering Technology	3
MDT 105: Introduction to CAD	3	MDT 111: Mechanical Drawing	3
MDT 122: Architectural Drawing	3	MDT 146: AutoCAD CADD	3
MDT 202: SOLID WORKS CADD	3	MDT 252: Advanced SOLID WORKS CADD	3
ORI 101: Orientation to College	1		
Total Semester Hours	13	Total Semester Hours	12
Total hours required for short-term certificate: 25			
<p>NOTICE(s): For the short-term certificate in Mechanical Design Technology, the student must complete all of the total hours required for short-term certificate. Courses will be selected from those listed above, which must be approved by the advisor. Required courses may vary to provide options and to meet student needs. Admission Requirement: High school diploma or GED</p> <p>This program is offered at the East Broad Campus only.</p>			

MEDICAL LABORATORY TECHNOLOGY A.A.S.

Advisors – Wallace Drive Campus: Deborah Cole (256.549.8470) dcole@gadsdenstate.edu
Joseph Thomas (256.439.6802) jthomas@gadsdenstate.edu;

STUDENT PROGRESS

	Grade	Term Completed
Area I – Written Composition: 6		
• ENG 101 - English Composition I.....3	_____	_____
• ENG 102 - English Composition II.....3	_____	_____
Area II – Humanities and Fine Arts: 3		
• Fine Arts Elective*.....3	_____	_____
Area III – Natural Sciences and Mathematics: 11		
• BIO 103 - Principles of Biology I4	_____	_____
• CHM 104 - Introduction to Inorganic Chemistry4	_____	_____
• MTH 100 - Intermediate College Algebra OR Higher level Math (MTH 116 is not a higher level math).....3	_____	_____
Area IV – History, Social and Behavioral Sciences: 3		
• PSY 200 - General Psychology.....3	_____	_____
Area V – Professional, Major and Elective Courses: 48		
• MLT 100 - Phlebotomy.....2	_____	_____
• MLT 111 - Urinalysis3	_____	_____
• MLT 121 - Hematology and Body Fluids6	_____	_____
• MLT 131 - Laboratory Techniques4	_____	_____
• MLT 141 - MLT Microbiology I5	_____	_____
• MLT 142 - MLT Microbiology II3	_____	_____
• MLT 151 - MLT Clinical Chemistry.....5	_____	_____
• MLT 161 - Integrated Laboratory Simulation.....2	_____	_____
• MLT 181 - Clinical Immunology.....2	_____	_____
• MLT 191 - MLT Immunohematology.....5	_____	_____
• MLT 293 - MLT Clinical Seminar.....2	_____	_____
• MLT 294 - Medical Laboratory Practicum Hematology and Urinalysis.....2	_____	_____
• MLT 295 - Medical Laboratory Practicum Microbiology.....2	_____	_____
• MLT 296 - Medical Laboratory Practicum Immunohematology2	_____	_____
• MLT 297 - Medical Laboratory Practicum Chemistry and Immunology.....2	_____	_____
• ORI 101 - Orientation to College.....1	_____	_____
Total Hours Required for Degree: 71		

***Note:** Fine Arts disciplines include but are not limited to the following: Art and Art History, Music and Music History, Theater, and Dance.

SAMPLE SEMESTER PLAN

MEDICAL LABORATORY TECHNOLOGY A.A.S.**Advisors – Wallace Drive Campus**Deborah Cole (256.549.8470) dcole@gadsdenstate.edu;Joseph Thomas (256.439.6802) jthomas@gadsdenstate.edu

FALL SEMESTER		SPRING SEMESTER	
<u>Course</u>	<u>Credit Hours</u>	<u>Course</u>	<u>Credit Hours</u>
BIO 103: Principles of Biology ¹	4	CHM 104: Introduction to Chemistry	4
MLT 131: Laboratory Techniques	4	ENG 101: English Composition I	3
MLT 141: MLT Microbiology I	5	MLT 121: Hematology and Body Fluids	6
MTH 100: Intermediate College Algebra ²	3	MLT 142: MLT Microbiology II	3
ORI 101: Orientation to College	1		
Total Semester Hours	17	Total Semester Hours	16
SUMMER SEMESTER		FALL SEMESTER	
<u>Course</u>	<u>Credit Hours</u>	<u>Course</u>	<u>Credit Hours</u>
ENG 102: English Composition II	3	*Fine Arts Elective: _____	3
MLT 111: Urinalysis	3	MLT 100: Phlebotomy	2
MLT 181: Clinical Immunology	2	MLT 151: MLT Clinical Chemistry	5
		MLT 161: Integrated Lab Simulation	2
		MLT 191: MLT Immunohematology	5
		PSY 200: General Psychology	3
Total Semester Hours	8	Total Semester Hours	20
SPRING SEMESTER			
<u>Course</u>	<u>Credit Hours</u>		
MLT 293: MLT Clinical Seminar	2		
MLT 294: Medical Laboratory Practicum Hematology and Urinalysis	2		
MLT 295: Medical Laboratory Practicum Microbiology	2		
MLT 296: Medical Laboratory Practicum Immunohematology	2		
MLT 297: Medical Laboratory Practicum Chemistry and Immunology	2		
Total Semester Hours	10		

Total hours required for degree: 71

***Note:** Fine Arts disciplines include but are not limited to the following: Art and Art History, Music and Music History, Theater, and Dance.

1. BIO 201 can substitute for BIO 103
2. MTH 112/113 can be a substitute for MTH 100. MTH 116 is not accepted as a substitution.

MEDICAL TRANSCRIPTIONIST SHORT-TERM CERTIFICATE

Advisors – Ayers Campus: Gerri Langley (256.835.5446) glangley@gadsdenstate.edu;

East Broad Campus: Fay Scott (256.439.6876) fscott@gadsdenstate.edu

Larrhea Sims (256.439.6904) lsims@gadsdenstate.edu

STUDENT PROGRESS

	<u>Grade</u>	<u>Term Completed</u>
Area V – Professional, Major and Elective Courses:..... 25		
• BIO 120 - Medical Terminology.....3	_____	_____
• OAD 101 - Beginning Keyboarding3	_____	_____
• OAD 103 - Intermediate Keyboarding.....3	_____	_____
• OAD 104 - Advanced Keyboarding3	_____	_____
• OAD 125 - Word Processing3	_____	_____
• OAD 212 - Medical Transcription3	_____	_____
• OAD 213 - Advanced Medical Transcription3	_____	_____
• OAD 215 - Health Information Management.....3	_____	_____
• ORI 101 - Orientation to College1	_____	_____
Total Hours Required for Certificate:..... 25		

SAMPLE SEMESTER PLAN

MEDICAL TRANSCRIPTIONIST SHORT-TERM CERTIFICATE**Advisors – Ayers Campus**Gerri Langley (256.835.5446) glangley@gadsdenstate.edu;**East Broad Campus**Fay Scott (256.439.6876) fscott@gadsdenstate.edu;Larrhea Sims (256.439.6904) lsims@gadsdenstate.edu

FIRST SEMESTER		SECOND SEMESTER	
<u>Course</u>	<u>Credit Hours</u>	<u>Course</u>	<u>Credit Hours</u>
BIO 120: Medical Terminology	3	OAD 103: Intermediate Keyboarding	3
OAD 101: Beginning Keyboarding	3	OAD 125: Word Processing	3
OAD 215: Health Information Management	3	OAD 212: Medical Transcription	3
ORI 101: Orientation to College	1		
Total Semester Hours	10	Total Semester Hours	9
THIRD SEMESTER			
<u>Course</u>	<u>Credit Hours</u>		
OAD 104: Advanced Keyboarding	3		
OAD 213: Advanced Medical Transcription	3		
Total Semester Hours	6		
Total hours required for short-term certificate: 25			
Course offerings may vary by campus each semester; please see your advisor to register for classes.			

OFFICE ADMINISTRATION A.A.S.

Advisors - Ayers Campus: Gerri Langley (256.835.5446) glangley@gadsdenstate.edu;

East Broad Campus: Fay Scott (256.439.6876) fscott@gadsdenstate.edu

Larrhea Sims (256.439.6904) lsims@gadsdenstate.edu

STUDENT PROGRESS

	<u>Grade</u>	<u>Term Completed</u>
Area I – Written Composition: 6		
• ENG 101 - English Composition I.....3	_____	_____
• ENG 102 - English Composition II.....3	_____	_____
Area II - Humanities and Fine Arts: 3		
• Humanities/Fine Arts*3	_____	_____
Area III – Natural Sciences and Mathematics: 7		
• BIO 103 - Principles of Biology I4	_____	_____
• MTH 100 - Intermediate College Algebra OR		
MTH 116 - Mathematical Applications3	_____	_____
Area IV – History, Social and Behavioral Sciences: 3		
• ECO 231 - Principles of Macroeconomics3	_____	_____
Area V – Administrative Assistant – General:..... 49		
• BUS 215 - Business Communication3	_____	_____
• BUS 241 - Principles of Accounting I3	_____	_____
• BUS 263 - The Legal and Social Environment of Business.....3	_____	_____
• CIS 146 - Microcomputer Applications3	_____	_____
• CIS 147 - Advanced Micro Applications3	_____	_____
• OAD 101 - Beginning Keyboarding OR		
OAD elective (Consult OAD advisor)3	_____	_____
• OAD 103 - Intermediate Keyboarding.....3	_____	_____
• OAD 104 - Advanced Keyboarding3	_____	_____
• OAD 125 - Word Processing3	_____	_____
• OAD 126 - Advanced Word Processing3	_____	_____
• OAD 134 - Career and Professional Development3	_____	_____
• OAD 138 - Records and Information Management3	_____	_____
• OAD 200 - Machine Transcription.....3	_____	_____
• OAD 218 - Office Procedures3	_____	_____
• OAD 241 - Office Co-op OR		
OAD 242 - Office Internship3	_____	_____
• ORI 101 - Orientation to College.....1	_____	_____
• SPH 106 - Fundamentals of Oral Communication.....3	_____	_____

Total Hours Required for Degree: 68

***Note:** Humanities and Fine Arts disciplines include but are not limited to the following: Literature, Ethnic Studies, Art and Art History, Foreign Language Literature, Music and Music History, Philosophy, Ethics, Religious Studies, Theater, and Dance.

OFFICE ADMINISTRATION A.A.S. continued

STUDENT PROGRESS

	<u>Grade</u>	<u>Term Completed</u>
Area V – Administrative Assistant – Legal:.....52		
• BUS 215 - Business Communication 3	_____	_____
• BUS 241 - Principles of Accounting I..... 3	_____	_____
• BUS 263 - The Legal and Social Environment of Business 3	_____	_____
• CIS 146 - Microcomputer Applications 3	_____	_____
• CIS 147 - Advanced Micro Applications 3	_____	_____
• OAD 101 - Beginning Keyboarding OR OAD elective (Consult OAD advisor)..... 3	_____	_____
• OAD 103 - Intermediate Keyboarding 3	_____	_____
• OAD 104 - Advanced Keyboarding..... 3	_____	_____
• OAD 125 - Word Processing..... 3	_____	_____
• OAD 126 - Advanced Word Processing..... 3	_____	_____
• OAD 134 - Career and Professional Development..... 3	_____	_____
• OAD 138 - Records and Information Management 3	_____	_____
• OAD 200 - Machine Transcription 3	_____	_____
• OAD 202 - Legal Transcription 3	_____	_____
• OAD 218 - Office Procedures 3	_____	_____
• OAD 241 - Office Co-op OR OAD 242 - Office Internship 3	_____	_____
• ORI 101 - Orientation to College..... 1	_____	_____
• SPH 106 - Fundamentals of Oral Communication 3	_____	_____
Total Hours Required for Degree:71		

STUDENT PROGRESS

	<u>Grade</u>	<u>Term Completed</u>
Area V – Administrative Assistant – Medical:51		
• BIO 120 - Medical Terminology 3	_____	_____
• BIO 206 - Human Anatomy..... 4	_____	_____
• BUS 215 - Business Communication 3	_____	_____
• BUS 241 - Principles of Accounting I..... 3	_____	_____
• CIS 146 - Microcomputer Applications 3	_____	_____
• HIT 230 - Medical Coding Systems I..... 3	_____	_____
• HIT 231 - Medical Coding Skills Laboratory (Corequisite)..... 1	_____	_____
• OAD 101 - Beginning Keyboarding OR OAD elective (Consult OAD advisor)..... 3	_____	_____
• OAD 103 - Intermediate Keyboarding 3	_____	_____
• OAD 125 - Word Processing..... 3	_____	_____
• OAD 138 - Records and Information Management 3	_____	_____
• OAD 200 - Machine Transcription 3	_____	_____
• OAD 212 - Medical Transcription..... 3	_____	_____
• OAD 215 - Health Information Management 3	_____	_____
• OAD 218 - Office Procedures 3	_____	_____
• OAD 241 - Office Co-op OR OAD 242 - Office Internship 3	_____	_____
• ORI 101 - Orientation to College..... 1	_____	_____
• SPH 106 - Fundamentals of Oral Communication 3	_____	_____
Total Hours Required for Degree: 70		

OFFICE ADMINISTRATION A.A.S. continued

STUDENT PROGRESS

	<u>Grade</u>	<u>Term Completed</u>
Area V – Transcription and Coding: 49		
• BIO 120 - Medical Terminology.....3	_____	_____
• BIO 206 - Human Anatomy4	_____	_____
• CIS 146 - Microcomputer Applications3	_____	_____
• CIS 147 - Advanced Micro Applications3	_____	_____
• HIT 230 - Medical Coding Systems I3	_____	_____
• HIT 231 - Medical Coding Skills Laboratory (Corequisite)1	_____	_____
• HIT 232 - Medical Coding Systems II3	_____	_____
• HIT 233 - Medical Coding Skills Laboratory (Corequisite)1	_____	_____
• OAD 101 - Beginning Keyboarding OR		
• OAD elective (Consult OAD advisor)3	_____	_____
• OAD 103 - Intermediate Keyboarding.....3	_____	_____
• OAD 125 - Word Processing.....3	_____	_____
• OAD 200 - Machine Transcription.....3	_____	_____
• OAD 212 - Medical Transcription.....3	_____	_____
• OAD 213 - Advanced Medical Transcription.....3	_____	_____
• OAD 215 - Health Information Management.....3	_____	_____
• OAD 241 - Office Co-op OR		
• OAD 242 - Office Internship3	_____	_____
• ORI 101 - Orientation to College1	_____	_____
• SPH 106 - Fundamentals of Oral Communication.....3	_____	_____
Total Hours Required for Degree: 68		

STUDENT PROGRESS

	<u>Grade</u>	<u>Term Completed</u>
Area V—Health Information Technology Management: 51		
• BIO 120 - Medical Terminology.....3	_____	_____
• BIO 206 - Human Anatomy4	_____	_____
• CIS 146 - Microcomputer Applications3	_____	_____
• HIT 134 - HIT Legal and Ethical Issues3	_____	_____
• HIT 151 - Health Data Content and Structure3	_____	_____
• HIT 153 - Health Care Delivery System2	_____	_____
• HIT 230 - Medical Coding Systems I3	_____	_____
• HIT 231 - Medical Coding Skills Laboratory.....1	_____	_____
• HIT 232 - Medical Coding Systems II3	_____	_____
• HIT 233 - Medical Coding Skills Laboratory.....1	_____	_____
• HIT 254 - Organizational Improvement3	_____	_____
• HIT 295 - Special Topics in HIT III3	_____	_____
• OAD 101 - Beginning Keyboarding OR OAD elective3	_____	_____
• OAD 125 - Word Processing.....3	_____	_____
• OAD 215 - Health Information Management.....3	_____	_____
• OAD 217 - Office Management.....3	_____	_____
• OAD 241 - Office Co-op OR		
• OAD 242 - Office Internship3	_____	_____
• ORI 101 - Orientation to College1	_____	_____
• SPH 106 - Fundamentals of Oral Communication.....3	_____	_____
Total Hours Required for Degree: 70		

SAMPLE SEMESTER PLAN

OFFICE ADMINISTRATION A.A.S. ADMINISTRATIVE ASSISTANT – GENERAL

Advisors - Ayers Campus:Gerri Langley (256.835.5446) glangley@gadsdenstate.edu;**East Broad Campus**Fay Scott (256.439.6876) fscott@gadsdenstate.eduLarrhea Sims (256.439.6904) lsims@gadsdenstate.edu

FIRST SEMESTER		SECOND SEMESTER	
<u>Course</u>	<u>Credit Hours</u>	<u>Course</u>	<u>Credit Hours</u>
CIS 146: Microcomputer Applications	3	BUS 263: The Legal and Social Environment of Business	3
ENG 101: English Composition I	3	CIS 147: Advanced Micro Applications	3
MTH 100: Intermediate College Algebra		ENG 102: English Composition II	3
-OR-		OAD 103: Intermediate Keyboarding	3
MTH 116: Mathematical Applications	3	OAD 134: Career and Professional Development	3
OAD 101: Beginning Keyboarding	3		
OAD 138: Records and Information Management	3		
ORI 101: Orientation to College	1		
Total Semester Hours	16	Total Semester Hours	15
THIRD SEMESTER		FOURTH SEMESTER	
<u>Course</u>	<u>Credit Hours</u>	<u>Course</u>	<u>Credit Hours</u>
BIO 103: Principles of Biology I	4	BUS 241: Principles of Accounting I	3
*Humanities/Fine Arts: _____	3	ECO 231: Principles of Macroeconomics	3
OAD 104: Advanced Keyboarding	3	OAD 125: Word Processing	3
		OAD 200: Machine Transcription	3
		OAD 218: Office Procedures	3
Total Semester Hours	10	Total Semester Hours	15
FIFTH SEMESTER			
<u>Course</u>	<u>Credit Hours</u>		
BUS 215: Business Communication	3		
OAD 126: Advanced Word Processing	3		
OAD 242: Office Internship	3		
SPH 106: Fundamentals of Oral Communication	3		
Total Semester Hours	12		
Total hours required for degree: 68			
*Note: Humanities and Fine Arts disciplines include but are not limited to the following: Literature, Ethnic Studies, Art and Art History, Foreign Language Literature, Music and Music History, Philosophy, Ethics, Religious Studies, Theater, and Dance.			
Course offerings may vary by campus each semester; please see your advisor to register for classes.			

SAMPLE SEMESTER PLAN

OFFICE ADMINISTRATION A.A.S. HEALTH INFORMATION TECHNOLOGY MANAGEMENT

Advisors - Ayers Campus:Gerri Langley (256.835.5446) glangley@gadsdenstate.edu;**East Broad Campus**Fay Scott (256.439.6876) fscott@gadsdenstate.eduLarrhea Sims (256.439.6904) lsims@gadsdenstate.edu

FIRST SEMESTER		SECOND SEMESTER	
<u>Course</u>	<u>Credit Hours</u>	<u>Course</u>	<u>Credit Hours</u>
BIO 120: Medical Terminology	3	BIO 103: Principles of Biology I	4
ENG 101: English Composition I	3	CIS 146: Microcomputer Applications	3
HIT 153: Health Care Delivery Systems	2	ENG 102: English Composition II	3
MTH 100: Intermediate College Algebra		HIT 151: Health Data Content and Structure	3
-OR-		OAD 125: Word Processing	3
MTH 116: Mathematical Applications	3		
OAD 101: Beginning Keyboarding	3		
ORI 101: Orientation to College	1		
Total Semester Hours	15	Total Semester Hours	16
THIRD SEMESTER		FOURTH SEMESTER	
<u>Course</u>	<u>Credit Hours</u>	<u>Course</u>	<u>Credit Hours</u>
BIO 206: Human Anatomy	4	ECO 231: Principles of Macroeconomics	3
HIT 134: HIT Legal and Ethical Issues	3	HIT 230: Medical Coding Systems I	3
*Humanities/Fine Arts: _____	3	-AND-	
		HIT 231: Medical Coding Skills Lab	1
		HIT 254: Organizational Improvement	3
		OAD 215: Health Information Management	3
		SPH 106: Fundamentals of Oral Communication	3
Total Semester Hours	10	Total Semester Hours	16
FIFTH SEMESTER			
<u>Course</u>	<u>Credit Hours</u>		
HIT 232: Medical Coding Systems II	3		
-AND-			
HIT 233: Medical Coding Skills Lab	1		
HIT 295: Special Topics in HIT III	3		
OAD 217: Office Management	3		
OAD 242: Office Internship	3		
Total Semester Hours	13		

Total hours required for degree: 70

*Note: Humanities and Fine Arts disciplines include but are not limited to the following: Literature, Ethnic Studies, Art and Art History, Foreign Language Literature, Music and Music History, Philosophy, Ethics, Religious Studies, Theater, and Dance.

Course offerings may vary by campus each semester; please see your advisor to register for classes.

SAMPLE SEMESTER PLAN

OFFICE ADMINISTRATION A.A.S. ADMINISTRATIVE ASSISTANT - LEGAL

Advisors - Ayers Campus:

Gerri Langley (256.835.5446) glangley@gadsdenstate.edu;

East Broad Campus

Fay Scott (256.439.6876) fscott@gadsdenstate.edu

Larrhea Sims (256.439.6904) lsims@gadsdenstate.edu

FIRST SEMESTER		SECOND SEMESTER	
Course	Credit Hours	Course	Credit Hours
CIS 146: Microcomputer Applications	3	BUS 263: The Legal and Social Environment of Business	3
ENG 101: English Composition I	3	CIS 147: Advanced Micro Applications	3
MTH 100: Intermediate College Algebra		ENG 102: English Composition II	3
-OR-		OAD 103: Intermediate Keyboarding	3
MTH 116: Mathematical Applications	3	OAD 134: Career and Professional Development	3
OAD 101: Beginning Keyboarding	3		
OAD 138: Records and Information Management	3		
ORI 101: Orientation to College	1		
Total Semester Hours	16	Total Semester Hours	15
THIRD SEMESTER		FOURTH SEMESTER	
Course	Credit Hours	Course	Credit Hours
BIO 103: Principles of Biology I	4	BUS 241: Principles of Accounting I	3
*Humanities/Fine Arts: _____	3	ECO 231: Principles of Macroeconomics	3
OAD 104: Advanced Keyboarding	3	OAD 125: Word Processing	3
		OAD 200: Machine Transcription	3
		OAD 218: Office Procedures	3
Total Semester Hours	10	Total Semester Hours	15
FIFTH SEMESTER			
Course	Credit Hours		
BUS 215: Business Communication	3		
OAD 126: Advanced Word Processing	3		
OAD 242: Office Internship	3		
SPH 106: Fundamentals of Oral Communication	3		
OAD 202: Legal Transcription	3		
Total Semester Hours	15		
Total hours required for degree: 71			
<p>*Note: Humanities and Fine Arts disciplines include but are not limited to the following: Literature, Ethnic Studies, Art and Art History, Foreign Language Literature, Music and Music History, Philosophy, Ethics, Religious Studies, Theater, and Dance.</p> <p>Course offerings may vary by campus each semester; please see your advisor to register for classes.</p>			

SAMPLE SEMESTER PLAN

OFFICE ADMINISTRATION A.A.S. ADMINISTRATIVE ASSISTANT - MEDICAL

Advisors - Ayers Campus:

Gerri Langley (256.835.5446) glangley@gadsdenstate.edu;

East Broad Campus

Fay Scott (256.439.6876) fscott@gadsdenstate.eduLarrhea Sims (256.439.6904) lsims@gadsdenstate.edu

FIRST SEMESTER		SECOND SEMESTER	
<u>Course</u>	<u>Credit Hours</u>	<u>Course</u>	<u>Credit Hours</u>
BIO 120: Medical Terminology	3	BIO 103: Principles of Biology I	4
ENG 101: English Composition I	3	ENG 102: English Composition II	3
MTH 100: Intermediate College Algebra		ECO 231: Principles of Macroeconomics	3
-OR-		*Humanities/Fine Arts:_____	3
MTH 116: Mathematical Applications	3	OAD 103: Intermediate Keyboarding	3
OAD 101: Beginning Keyboarding	3		
OAD 138: Records and Information Management	3		
ORI 101: Orientation to College	1		
Total Semester Hours	16	Total Semester Hours	16
THIRD SEMESTER		FOURTH SEMESTER	
<u>Course</u>	<u>Credit Hours</u>	<u>Course</u>	<u>Credit Hours</u>
BIO 206: Human Anatomy	4	CIS 146: Microcomputer Applications	3
SPH 106: Fundamentals of Oral Communication	3	HIT 230: Medical Coding Systems I	3
		-AND-	
		HIT 231: Medical Coding Skills Lab	1
		OAD 125: Word Processing	3
		OAD 200: Machine Transcription	3
		OAD 215: Health Information Management	3
Total Semester Hours	7	Total Semester Hours	16
FIFTH SEMESTER			
<u>Course</u>	<u>Credit Hours</u>		
BUS 215: Business Communication	3		
BUS 241: Principles of Accounting I	3		
OAD 212: Medical Transcription	3		
OAD 218: Office Procedures	3		
OAD 242: Office Internship	3		
Total Semester Hours	15		

Total hours required for degree: 70

*Note: Humanities and Fine Arts disciplines include but are not limited to the following: Literature, Ethnic Studies, Art and Art History, Foreign Language Literature, Music and Music History, Philosophy, Ethics, Religious Studies, Theater, and Dance.

Course offerings may vary by campus each semester; please see your advisor to register for classes.

SAMPLE SEMESTER PLAN

OFFICE ADMINISTRATION A.A.S. TRANSCRIPTION AND CODING

Advisors - Ayers Campus:Gerri Langley (256.835.5446) glangley@gadsdenstate.edu;**East Broad Campus**Fay Scott (256.439.6876) fscott@gadsdenstate.eduLarrhea Sims (256.439.6904) lsims@gadsdenstate.edu

FIRST SEMESTER		SECOND SEMESTER	
<u>Course</u>	<u>Credit Hours</u>	<u>Course</u>	<u>Credit Hours</u>
BIO 120: Medical Terminology	3	BIO 103: Principles of Biology I	4
ENG 101: English Composition I	3	ENG 102: English Composition II	3
MTH 100: Intermediate College Algebra		*Humanities/Fine Arts: _____	3
-OR-		ECO 231: Principles of Macroeconomics	3
MTH 116: Mathematical Applications	3	OAD 103: Intermediate Keyboarding	3
OAD 101: Beginning Keyboarding	3		
ORI 101: Orientation to College	1		
SPH 106: Fundamentals of Oral Communication	3		
Total Semester Hours	16	Total Semester Hours	16
THIRD SEMESTER		FOURTH SEMESTER	
<u>Course</u>	<u>Credit Hours</u>	<u>Course</u>	<u>Credit Hours</u>
BIO 206: Human Anatomy	4	CIS 146: Microcomputer Applications	3
OAD 200: Machine Transcription	3	HIT 230: Medical Coding Systems I	3
		-AND-	
		HIT 231: Medical Coding Skills Lab	1
		OAD 125: Word Processing	3
		OAD 212: Medical Transcription	3
		OAD 215: Health Information Management	3
Total Semester Hours	7	Total Semester Hours	16
FIFTH SEMESTER			
<u>Course</u>	<u>Credit Hours</u>		
CIS 147: Advanced Micro Applications	3		
HIT 232: Medical Coding Systems II	3		
-AND-			
HIT 233: Medical Coding Skills Lab	1		
OAD 213: Advanced Medical Transcription	3		
OAD 242: Office Internship	3		
Total Semester Hours	13		

Total hours required for degree: 68

***Note:** Humanities and Fine Arts disciplines include but are not limited to the following: Literature, Ethnic Studies, Art and Art History, Foreign Language Literature, Music and Music History, Philosophy, Ethics, Religious Studies, Theater, and Dance.

Course offerings may vary by campus each semester; please see your advisor to register for classes.

PARALEGAL A.A.S.

Advisors – East Broad Campus: Elizabeth Howard (256.549.8336) ehoward@gadsdenstate.edu

STUDENT PROGRESS

	Grade	Term Completed
Area I – Written Composition:6		
• ENG 101 - English Composition I 3	_____	_____
• ENG 102 - English Composition II 3	_____	_____
Area II - Humanities and Fine Arts: 3		
• Humanities/Fine Arts* 3	_____	_____
Area III – Natural Sciences and Mathematics: 7		
• BIO 103 - Principles of Biology I 4	_____	_____
• MTH 116 - Mathematical Applications 3	_____	_____
Area IV – History, Social and Behavioral Sciences: 6		
• ECO 231 - Principles of Macroeconomics 3	_____	_____
• PSY 200 - General Psychology OR SOC 200 - Introduction to Sociology 3	_____	_____
Area V – Pre-Professional, Pre-Major and Electives:49		
• BUS 215 - Business Communication 3	_____	_____
• BUS 241 - Principles of Accounting I 3	_____	_____
• BUS 242 - Principles of Accounting II OR ECO 232 - Principles of Microeconomics 3	_____	_____
• BUS 263 - The Legal and Social Environment of Business 3	_____	_____
• CIS 146 - Microcomputer Applications 3	_____	_____
• OAD 101 - Beginning Keyboarding 3	_____	_____
• ORI 101 - Orientation to College 1	_____	_____
• PRL 101 - Introduction to Paralegal Study 3	_____	_____
• PRL 102 - Basic Legal Research & Writing 3 (PRL 101 & PRL 102 are corequisites AND prerequisites to other legal specialty courses)	_____	_____
• PRL 103 - Advanced Legal Research and Writing 3	_____	_____
• PRL 160 - Criminal Law and Procedure 3	_____	_____
• PRL 210 - Introduction to Real Property Law 3	_____	_____
• PRL 230 - Domestic Law 3	_____	_____
• PRL 240 - Wills, Estates, and Trusts 3	_____	_____
• PRL 262 - Civil Law and Procedures 3	_____	_____
• PRL 291 - Internship 3	_____	_____
• SPH 106 - Fundamentals of Oral Communication 3	_____	_____
Total Hours Required for Degree:71		

NOTICE(s): Gadsden State Community College's Paralegal Program is approved by the American Bar Association. Legal specialty courses transferred from regionally accredited programs must be evaluated by the program coordinator to ensure that the content of the course is comparable to the Gadsden State course before acceptance. It is the responsibility of the student to verify the transferability of credit in this program to a senior institution with the appropriate senior institution advisor.

- The Paralegal Program is a Selective Admission Program.
- Legal specialty courses taken at ABA-approved schools will transfer automatically to equivalent Gadsden State courses if the student has a grade of C or above in the course.
- Legal specialty courses from non-ABA schools in Alabama will be evaluated by the program director to determine if credit will be awarded.
- Legal studies courses from non-ABA out-of-state programs will not be considered for transfer credit.
- Transfer credit for Paralegal courses will be limited to six (6) semester credit hours.
- A student must take at least ten (10) semester credit hours in the legal specialty courses in a traditional classroom setting.
- These policies are published in the Paralegal Brochure, the Paralegal webpage, and the GSCC catalogue.

Paralegals are NOT licensed to practice law.

***Note:** Humanities and Fine Arts disciplines include but are not limited to the following: Literature, Ethnic Studies, Art and Art History, Foreign Language Literature, Music and Music History, Philosophy, Ethics, Religious Studies, Theater, and Dance.

SAMPLE SEMESTER PLAN

PARALEGAL A.A.S.

Advisors – East Broad Campus

Elizabeth Howard (256.549.8336) ehoward@gadsdenstate.edu

FALL SEMESTER		SPRING SEMESTER	
Course	Credit Hours	Course	Credit Hours
BUS 215: Business Communication	3	ENG 102: English Composition II	3
ENG 101: English Composition I	3	OAD 101: Beginning Keyboarding	3
MTH 116: Mathematical Applications	3	PRL 103: Advanced Legal Research and Writing	3
ORI 101: Orientation to College	1	PRL 160: Criminal Law and Procedure	3
PRL 101: Introduction to Paralegal Study	3	PRL 240: Wills, Estates, and Trusts	3
PRL 102: Basic Legal Research and Writing	3		
Total Semester Hours	16	Total Semester Hours	15
SUMMER SEMESTER		FALL SEMESTER	
Course	Credit Hours	Course	Credit Hours
BUS 241: Principles of Accounting I	3	BUS 242: Principles of Accounting II	
BUS 263: The Legal and Social Environment of Business	3	-OR-	
ECO 231: Principles of Macroeconomics	3	ECO 232: Principles of Microeconomics	3
*Humanities/Fine Arts: _____	3	PRL 210: Introduction to Real Property Law	3
		PRL 230: Domestic Law	3
		PRL 262: Civil Law and Procedure	3
		SPH 106: Fundamentals of Oral Communication	3
Total Semester Hours	12	Total Semester Hours	15
SPRING SEMESTER			
Course	Credit Hours		
BIO 103: Principles of Biology I	4		
CIS 146: Microcomputer Applications	3		
PRL 291: Internship	3		
PSY 200: General Psychology			
-OR-			
SOC 200: Introduction to Sociology	3		
Total Semester Hours	13		

Total hours required for degree: 71

NOTICE(s): Gadsden State Community College's Paralegal Program is approved by the American Bar Association. Legal specialty courses transferred from regionally accredited programs must be evaluated by the program coordinator to ensure that the content of the course is comparable to the Gadsden State course before acceptance. It is the responsibility of the student to verify the transferability of credit in this program to a senior institution with the appropriate senior institution advisor.

- The Paralegal Program is a Selective Admission Program.
- Legal specialty courses taken at ABA-approved schools will transfer automatically to equivalent Gadsden State courses if the student has a grade of C or above in the course.
- Legal specialty courses from non-ABA schools in Alabama will be evaluated by the program director to determine if credit will be awarded.
- Legal studies courses from non-ABA out-of-state programs will not be considered for transfer credit.
- Transfer credit for Paralegal courses will be limited to six (6) semester credit hours.
- A student must take at least ten (10) semester credit hours in the legal specialty courses in a traditional classroom setting.
- These policies are published in the Paralegal Brochure, the Paralegal webpage, and the GSCC catalogue.

Paralegals are **NOT** licensed to practice law.

***Note:** Humanities and Fine Arts disciplines include but are not limited to the following: Literature, Ethnic Studies, Art and Art History, Foreign Language Literature, Music and Music History, Philosophy, Ethics, Religious Studies, Theater, and Dance.

PRACTICAL NURSING CERTIFICATE

Advisor – Wallace Drive Campus: Pam Mayo (256.549.8257) pmayo@gadsdenstate.edu

STUDENT PROGRESS

	<u>Grade</u>	<u>Term Completed</u>
Area I – Written Composition: 3		
• ENG 101 - English Composition I 3	_____	_____
Area III – Natural Sciences and Mathematics: 11		
• BIO 201 - Human Anatomy and Physiology I 4	_____	_____
• BIO 202 - Human Anatomy and Physiology II 4	_____	_____
• MTH 100 - Intermediate College Algebra 3	_____	_____
Area IV – History, Social and Behavioral Sciences: 3		
• PSY 210 - Human Growth and Development 3	_____	_____
Area V – Professional, Major, & Elective Courses: 29		
• NUR 112 - Fundamental Concepts of Nursing 7	_____	_____
• NUR 113 - Nursing Concepts I 8	_____	_____
• NUR 114 - Nursing Concepts II 8	_____	_____
• NUR 115 - Evidence Based Clinical Reasoning 2	_____	_____
• ORI 101 - Orientation to College 1	_____	_____
• SPH 106 - Fundamentals of Oral Communication OR		
SPH 107 - Fundamentals of Public Speaking 3	_____	_____
Total Hours Required for Degree 46		

Admission Requirements:

- Applicants must have unconditional admission to the College.
- Applicants must have a minimum GPA of 2.5 in General Studies prerequisites.
- Applicants must have a minimum ACT score of 18 on file at GSCC at the time of application.
- All applicants must have successfully completed MTH 100 at the time of application.

This program is a Gainful Employment Program. Information on the graduation rate, award type, average loan debt, number of students borrowing money, and the cost and length of this program can be found at: <http://www.gadsdenstate.edu/sites/default/files/u21/51.3901-Licensed%20Practical%20Nurse%20%28LPN%29.pdf>.

SAMPLE SEMESTER PLAN

PRACTICAL NURSING CERTIFICATE

Advisor – Wallace Drive Campus

Pam Mayo (256.549.8257) pmayo@gadsdenstate.edu

PRE-NURSING COURSES		FIRST SEMESTER	
<u>Course</u>	<u>Credit Hours</u>	<u>Course</u>	<u>Credit Hours</u>
BIO 201: Human Anatomy and Physiology I	4	NUR 112: Fundamental Concepts of Nursing	7
BIO 202: Human Anatomy and Physiology II	4		
ENG 101: English Composition I	3		
MTH 100: Intermediate College Algebra ¹	3		
ORI 101: Orientation to College	1		
PSY 210: Human Growth and Development	3		
SPH 106: Fundamentals of Oral Communication	3		
Total General Education Hours	21	Total Semester Hours	7
SECOND SEMESTER		THIRD SEMESTER	
<u>Course</u>	<u>Credit Hours</u>	<u>Course</u>	<u>Credit Hours</u>
NUR 113: Nursing Concepts I	8	NUR 114: Nursing Concepts II	8
		NUR 115: Evidence Based Clinical Reasoning	2
Total Semester Hours	8	Total Semester Hours	10
Total hours required for certificate: 46			
<u>Admission Requirements:</u> <ul style="list-style-type: none"> Applicants must have unconditional admission to the College. Applicants must have a minimum GPA of 2.5 in General Studies prerequisites. Applicants must have a minimum ACT score of 18 on file at GSCC at the time of application. All applicants must have successfully completed MTH 100 at the time of application. <p>1. MTH 100 must be successfully completed at the time of application for the Nursing Program.</p>			

PRECISION MACHINING A.A.S.

Advisors – Ayers Campus: Steve Caldwell, Machine Tool Building (256.835.5417) scaldwell@gadsdenstate.edu;

East Broad Campus: David Smith, Machine Technology Building (256.549.8644) dsmith@gadsdenstate.edu;

Jeff Gaither, Machine Technology Building jgaither@gadsdenstate.edu

STUDENT PROGRESS

	<u>Grade</u>	<u>Term Completed</u>
Area I—Written Composition: 3		
• ENG 101 - English Composition I.....3	_____	_____
Area II—Humanities and Fine Arts: 3		
• Humanities/Fine Arts**3	_____	_____
Area III—Natural Science or Mathematics: 6		
• INT 104 - Principles of Technology.....3	_____	_____
• MTH 100 - Intermediate College Algebra OR numerically higher3	_____	_____
Area IV—History, Social and Behavioral Sciences: 3		
• Economics, Geography, History, Political Science, Psychology, or Sociology3	_____	_____
Area V—Technical Courses:.....22		
The following courses are required.		
• MTT 107 - Machining Calculations I OR EET 100 - Introduction to Engineering Technologies3	_____	_____
• MTT 121 - Basic Print Reading for Machinists3	_____	_____
• MTT 127 - Metrology3	_____	_____
• MTT 147 - Introduction to Machine Shop I.....3	_____	_____
• MTT 148 - Introduction to Machine Shop I Lab3	_____	_____
• MTT 149 - Introduction to Machine Shop II.....3	_____	_____
• MTT 150 - Introduction to Machine Shop II Lab3	_____	_____
• ORI 101 - Orientation to College1	_____	_____
Additional Coursework: 36		
• CIS 146 - Microcomputer Applications3	_____	_____
• DDT 104 - Basic Computer Aided Drafting and Design OR MDT 105 - Introduction to Computer-Aided Design (CAD).....3	_____	_____
• MTT 108 - Machine Handbook Functions I3	_____	_____
• MTT 109 - Orientation to Computer Assisted Manufacturing ...3	_____	_____
• MTT 123 - Engine Lathe Lab I3	_____	_____
• MTT 124 - Engine Lathe Lab II3	_____	_____
• *MTT 128 - Geometric Dimensioning and Tolerancing I.....3	_____	_____
• MTT 134 - Lathe Operations I3	_____	_____
• MTT 137 - Milling I3	_____	_____
• MTT 138 - Milling I Lab.....3	_____	_____
• *MTT 139 - Basic Computer Numerical Control3	_____	_____

PRECISION MACHINING A.A.S. continued

STUDENT PROGRESS

	<u>Grade</u>	<u>Term Completed</u>
• MTT 140 - Basic Computer Numerical Control Turning Programming I 3	_____	_____
• MTT 141 - Basic Computer Numeric Control Milling Programming I 3	_____	_____
• MTT 154 - Metallurgy 3	_____	_____
• MTT 181 - Special Topics in Machine Tool Technology 3	_____	_____
• MTT 202 - Machine Maintenance and Repair 3	_____	_____
• MTT 219 - Computer Numerical Control Graphics: Turning 3	_____	_____
• MTT 220 - Computer Numerical Control Graphics: Milling 3	_____	_____
• MTT 221 - Advanced Blueprint Reading for Machinists..... 3	_____	_____
• MTT 241 - CNC Milling Lab I 3	_____	_____
• MTT 243 - CNC Turning Lab I 3	_____	_____
• MTT 270 – Machining Skills Application 3	_____	_____
• MTT 281 - Special Topics in Machine Tool Technology 3	_____	_____
• MTT 286 - Co-Op..... 1	_____	_____
• MTT 288 - Co-Op..... 2	_____	_____
• MTT 291 - Cooperative Education in Machine Tool Technology..... 3	_____	_____
• MTT 292 - Cooperative Education in Machine Tool Technology..... 3	_____	_____
• SPH 106 - Fundamentals of Oral Communication..... 3	_____	_____

*Required Courses

Total Hours Required for Degree: 73

NOTICE(s): For the A.A.S. Degree in Precision Machining, the student must complete a minimum of 73 credit hours—a minimum of 58 in technical courses and a minimum of 15 in general education courses—all of which must be approved by the advisor. A maximum of 9 credit hours of technical electives may be selected from any approved area of Engineering Technology programs with prior written approval from the student's major advisor. Admission Requirement: High school diploma or GED. The student is responsible for verifying the transferability of credit in this program to a senior institution with the appropriate senior institution advisor.

****Note:** Humanities and Fine Arts disciplines include but are not limited to the following: Literature, Ethnic Studies, Art and Art History, Foreign Language Literature, Music and Music History, Philosophy, Ethics, Religious Studies, Theater, and Dance.

SAMPLE SEMESTER PLAN

PRECISION MACHINING A.A.S.**Advisors – Ayers Campus**Steve Caldwell, Machine Tool Building (256.835.5417) scaldwell@gadsdenstate.edu;**East Broad Campus**David Smith, Machine Technology Building (256.549.8644) dsmith@gadsdenstate.edu;Jeff Gaither, Machine Technology Building jgaither@gadsdenstate.edu

FIRST SEMESTER		SECOND SEMESTER	
<u>Course</u>	<u>Credit Hours</u>	<u>Course</u>	<u>Credit Hours</u>
Economics, Geography, History, Political Science, Psychology, or Sociology: _____	3	MTT 141: Basic Computer Numeric Control Milling Programming I	3
MTT 121: Basic Print Reading for Machinists	3	MTT 148: Introduction to Machine Shop I Lab	3
MTT 123: Engine Lathe Lab I	3	MTT 181: Special Topics in Machine Tool Technology	3
MTT 140: Basic Computer Numerical Control Turning Programming I	3	MTH 100: Intermediate College Algebra or numerically higher	3
MTT 147: Introduction to Machine Shop I	3	*Humanities/Fine Arts: _____	3
ORI 101: Orientation to College	1	Total Semester Hours	15
Total Semester Hours	16		
THIRD SEMESTER		FOURTH SEMESTER	
<u>Course</u>	<u>Credit Hours</u>	<u>Course</u>	<u>Credit Hours</u>
EET 100: Introduction to Engineering Technologies	3	INT 104: Principles of Technology	3
MTT 127: Metrology	3	MTT 138: Milling Lab I	3
MTT 128: Geometric Dimensioning and Tolerancing I	3	MTT 139: Basic Computer Numerical Control	3
MTT 241: CNC Milling Lab I		MTT 149: Introduction to Machine Shop II	3
-OR-		MTT 154: Metallurgy	3
MTT 243: CNC Turning Lab I	3	Total Semester Hours	15
Total Semester Hours	12		
FIFTH SEMESTER			
<u>Course</u>	<u>Credit Hours</u>		
MTT 109: Orientation to Computer Assisted Manufacturing	3		
MTT 150: Introduction to Machine Shop II Lab	3		
MTT 219: Computer Numerical Control Graphics: Turning			
-OR-			
MTT 220: Computer Numerical Control Graphics: Milling	3		
MTT 281: Special Topics in Machine Tool Technology	3		
ENG 101: English Composition I	3		
Total Semester Hours	15		

Total hours required for degree: 73

NOTICE(s): For the A.A.S. Degree in Precision Machining, the student must complete a minimum of 73 credit hours—a minimum of 58 in technical courses and a minimum of 15 in general education courses—all of which must be approved by the advisor. A maximum of 9 credit hours of technical electives may be selected from any approved area of Engineering Technology programs with prior written approval from the student's major advisor. Admission Requirement: High school diploma or GED. The student is responsible for verifying the transferability of credit in this program to a senior institution with the appropriate senior institution advisor.

*Note: Humanities and Fine Arts disciplines include but are not limited to the following: Literature, Ethnic Studies, Art and Art History, Foreign Language Literature, Music and Music History, Philosophy, Ethics, Religious Studies, Theater, and Dance.

PRECISION MACHINING CERTIFICATE

Advisors – Ayers Campus: Steve Caldwell, Machine Tool Building (256.835.5417) scaldwell@gadsdenstate.edu;

East Broad Campus: David Smith, Machine Technology Building (256.549.8644) dsmith@gadsdenstate.edu;

Jeff Gaither, Machine Technology Building jgaither@gadsdenstate.edu

STUDENT PROGRESS

	<u>Grade</u>	<u>Term Completed</u>
Area I—Written Composition:3		
• ENG 101 - English Composition I 3	_____	_____
Area II—Humanities and Fine Arts:0		
Area III—Natural Science or Mathematics:3		
• MTH 100 - Intermediate College Algebra OR numerically higher 3	_____	_____
Area IV—History, Social and Behavioral Sciences:0		
Area V—Technical Courses:40		
• CIS 146 - Microcomputer Applications 3	_____	_____
• DDT 104 - Basic Computer Aided Drafting and Design OR MDT 105 - Introduction to Computer-Aided Design (CAD) 3	_____	_____
• MTT 107 - Machining Calculations I 3	_____	_____
• * MTT 121 - Basic Print Reading for Machinists 3	_____	_____
• MTT 123 - Engine Lathe Lab I 3	_____	_____
• MTT 127 - Metrology 3	_____	_____
• MTT 128 - Geometric Dimensioning and Tolerancing I 3	_____	_____
• MTT 134 - Lathe Operations I 3	_____	_____
• MTT 137 - Milling I 3	_____	_____
• * MTT 139 - Basic Computer Numerical Control 3	_____	_____
• MTT 140 - Basic Computer Numerical Control Turning Programming I 3	_____	_____
• MTT 141 - Basic Computer Numeric Control Milling Programming I 3	_____	_____
• * MTT 147 - Introduction to Machine Shop I 3	_____	_____
• * MTT 148 - Introduction to Machine Shop I Lab 3	_____	_____
• MTT 149 - Introduction to Machine Shop II 3	_____	_____
• MTT 150 - Introduction to Machine Shop II Lab 3	_____	_____
• MTT 154 - Metallurgy 3	_____	_____
• MTT 181 - Special Topics in Machine Tool Technology 3	_____	_____
• MTT 221 - Advanced Blueprint Reading for Machinists 3	_____	_____
• MTT 270 – Machining Skills Application 3	_____	_____
• MTT 286 - Co-Op 1	_____	_____
• MTT 288 - Co-Op 2	_____	_____
• MTT 291 - Cooperative Education in Machine Tool Technology 3	_____	_____
• * ORI 101 - Orientation to College 1	_____	_____
• SPH 106 - Fundamentals of Oral Communication 3	_____	_____
*Required Courses		

Total Hours Required for Certificate:46

NOTICE(s): For the certificate in Precision Machining, the student must complete at least 46 credit hours—at least 40 in technical courses and at least 6 in general education courses. Technical courses, which may vary to meet student needs and to provide options, must be selected from those listed above. Admission Requirement: High school diploma or GED. The student is responsible for verifying the transferability of credit in this program to a senior institution with the appropriate senior institution advisor.

SAMPLE SEMESTER PLAN

PRECISION MACHINING CERTIFICATE**Advisors – Ayers Campus**Steve Caldwell, Machine Tool Building (256.835.5417) scaldwell@gadsdenstate.edu;**East Broad Campus**David Smith, Machine Technology Building (256.549.8644) dsmith@gadsdenstate.edu;Jeff Gaither, Machine Technology Building jgaither@gadsdenstate.edu

FIRST SEMESTER		SECOND SEMESTER	
<u>Course</u>	<u>Credit Hours</u>	<u>Course</u>	<u>Credit Hours</u>
MTT 121: Basic Print Reading for Machinists	3	MTT 140: Basic Computer Numerical Control Turning Programming I	3
MTT 123: Engine Lathe Lab I	3	MTT 141: Basic Computer Numerical Control Milling Programming I	3
MTT 147: Introduction to Machine Shop I	3	MTT 148: Introduction to Machine Shop I Lab	3
MTH 100: Intermediate College Algebra or numerically higher MTH	3	MTT 181: Special Topics in Machine Tool Technology	3
ORI 101: Orientation to College	1		
Total Semester Hours	13	Total Semester Hours	12
THIRD SEMESTER		FOURTH SEMESTER	
<u>Course</u>	<u>Credit Hours</u>	<u>Course</u>	<u>Credit Hours</u>
MTT 127: Metrology	3	MTT 139: Basic Computer Numerical Control	3
MTT 128: Geometric Dimensioning and Tolerancing I	3	MTT 149: Introduction to Machine Shop II	3
MTT 270: Machining Skills Application	3	ENG 101: English Composition I	3
MTT 107: Machining Calculations I	3		
Total Semester Hours	12	Total Semester Hours	9
Total hours required for certificate: 46			
NOTICE(s): For the certificate in Precision Machining, the student must complete at least 46 credit hours—at least 40 in technical courses and at least 6 in general education courses. Technical courses, which may vary to meet student needs and to provide options, must be selected from those listed above. Admission Requirement: High school diploma or GED. The student is responsible for verifying the transferability of credit in this program to a senior institution with the appropriate senior institution advisor.			
Course offerings may vary by campus each semester; please see your advisor to register for classes.			

PRECISION MACHINING - BASIC CNC TECHNOLOGY SHORT-TERM CERTIFICATE

Advisors - Ayers Campus: Steve Caldwell, Machine Tool Building (256.835.5417) scaldwell@gadsdenstate.edu;

East Broad Campus: David Smith, Machine Tool Technology Building (256.3549.8644) dsmith@gadsdenstate.edu; Jeff Gaither, Machine Tool Technology Building, jgaither@gadsdenstate.edu

STUDENT PROGRESS

Required Courses:

	<u>Grade</u>	<u>Term Completed</u>
• MTT 139 - Basic Computer Numerical Control3	_____	_____
• MTT 140 - Basic Computer Numerical Control Turning Programming I3	_____	_____
• MTT 141 - Basic Computer Numeric Control Milling Programming I.....3	_____	_____
• MTT 219 - Computer Numerical Control Graphics: Turning3	_____	_____
• MTT 220 - Computer Numerical Control Graphics: Milling.....3	_____	_____
• MTT 241 - CNC Milling Lab I3	_____	_____
• MTT 243 - CNC Turning Lab I.....3	_____	_____
• MTT 244 - CNC Turning Lab II.....3	_____	_____
• MTT 281 - Special Topics in Machine Tool Technology3	_____	_____
• MTT 282 - Special Topics in Machine Tool Technology3	_____	_____
• MTT 292 - Cooperative Education in Machine Tool Technology3	_____	_____
• * ORI 101 - Orientation to College1	_____	_____

*Required Courses

Total Hours Required for Certificate: 28

NOTICE(s): For the short-term certificate in CNC Technology, the student must complete a minimum of 28 credit hours from the courses listed above. All courses must be approved by the advisor. Admission Requirement: Completion of a Precision Machining Certificate/Diploma or approval from an advisor. The student is responsible for verifying the transferability of credit in this program to a senior institution with the appropriate senior institution advisor.

SAMPLE SEMESTER PLAN

PRECISION MACHINING - BASIC CNC TECHNOLOGY SHORT-TERM CERTIFICATE

Advisors - Ayers CampusSteve Caldwell, Machine Tool Building (256.835.5417) scaldwell@gadsdenstate.edu;**East Broad Campus**David Smith, Machine Tool Technology Building (256.354.8644) dsmith@gadsdenstate.edu;Jeff Gaither, Machine Tool Technology Building, jgaither@gadsdenstate.edu

FIRST SEMESTER		SECOND SEMESTER	
<u>Course</u>	<u>Credit Hours</u>	<u>Course</u>	<u>Credit Hours</u>
MTT 139: Basic Computer Numerical Control	3	MTT 141: Basic Computer Numerical Control Milling Programming I	3
MTT 140: Basic Computer Numerical Control Turning Programming I	3	MTT 219: Computer Numerical Control Graphics: Turning	
MTT 241: CNC Milling Lab I	3	-OR-	
MTT 244: CNC Turning Lab II	3	MTT 220: Computer Numerical Control Graphics: Milling	3
ORI 101: Orientation to College	1	MTT 243: CNC Turning Lab I	3
		MTT 281: Special Topics in Machine Tool Technology	3
		MTT 292: Cooperative Education in Machine Tool Technology	3
Total Semester Hours	13	Total Semester Hours	15

Total hours required for short-term certificate: 28

NOTICE(s): For the short-term certificate in CNC Technology, the student must complete a minimum of 28 credit hours from the courses listed above. All courses must be approved by the advisor. Admission Requirement: Completion of a Precision Machining Certificate/Diploma or approval from an advisor. The student is responsible for verifying the transferability of credit in this program to a senior institution with the appropriate senior institution advisor.

Course offerings may vary by campus each semester; please see your advisor to register for classes.

PRECISION MACHINING – BASIC PRECISION MACHINING SHORT-TERM CERTIFICATE

Advisors – Ayers Campus: Steve Caldwell, Machine Tool Building (256.835.5417) scaldwell@gadsdenstate.edu

East Broad Campus: David Smith, Machine Technology Building (256.549.8644) dsmith@gadsdenstate.edu;

Jeff Gaither, Machine Technology Building, jgaither@gadsdenstate.edu

STUDENT PROGRESS

	<u>Grade</u>	<u>Term Completed</u>
Required Courses:		
• MTT 107 – Machining Calculations I OR EET 100 - Introduction to Engineering Technologies3	_____	_____
• * MTT 121 - Basic Print Reading for Machinists3	_____	_____
• MTT 123 - Engine Lathe Lab I3	_____	_____
• MTT 127 - Metrology3	_____	_____
• MTT 128 - Geometric Dimensioning and Tolerancing I3	_____	_____
• MTT 134 - Lathe Operations I3	_____	_____
• MTT 137 - Milling I3	_____	_____
• MTT 138 - Milling I Lab3	_____	_____
• MTT 139 - Basic Computer Numerical Control3	_____	_____
• MTT 140 - Basic Computer Numerical Control Turning Programming I3	_____	_____
• MTT 141 - Basic Computer Numeric Control Milling Programming I3	_____	_____
• * MTT 147 - Introduction to Machine Shop I3	_____	_____
• * MTT 148 - Introduction to Machine Shop I Lab3	_____	_____
• MTT 154 - Metallurgy3	_____	_____
• MTT 181 - Special Topics in Machine Tool Technology3	_____	_____
• MTT 221 - Advanced Blueprint Reading for Machinists3	_____	_____
• MTT 270 – Machining Skills Application3	_____	_____
• * ORI 101 - Orientation to College1	_____	_____
*Required Courses		

Total Hours Required for Certificate:..... 28

NOTICE(s): For the short-term certificate in Precision Machining Technology, the student must complete a minimum of 28 credit hours from the courses listed above. All courses must be approved by the advisor. Admission Requirement: High school diploma or GED. The student is responsible for verifying the transferability of credit in this program to a senior institution with the appropriate senior institution advisor.

SAMPLE SEMESTER PLAN

PRECISION MACHINING - BASIC PRECISION MACHINING SHORT-TERM CERTIFICATE

Advisors - Ayers Campus

Steve Caldwell, Machine Tool Building (256.835.5417) scaldwell@gadsdenstate.edu;

East Broad Campus

David Smith, Machine Tool Technology Building (256.354.8644) dsmith@gadsdenstate.edu;

Jeff Gaither, Machine Tool Technology Building, jgaither@gadsdenstate.edu

FIRST SEMESTER		SECOND SEMESTER	
<u>Course</u>	<u>Credit Hours</u>	<u>Course</u>	<u>Credit Hours</u>
MTT 121: Basic Print Reading for Machinists	3	MTT 140: Basic Computer Numerical Control Turning Programming I	3
MTT 123: Engine Lathe I	3	MTT 141: Basic Computer Numerical Control Milling Programming I	3
MTT 127: Metrology		MTT 148: Introduction to Machine Shop Lab I	3
-OR-		MTT 181: Special Topics in Machine Tool Technology	3
MTT 107: Machining Calculations I	3		
MTT 139: Basic Computer Numerical Control	3		
MTT 147: Introduction to Machine Shop I	3		
ORI 101: Orientation to College	1		
Total Semester Hours	16	Total Semester Hours	12
Total hours required for short-term certificate: 28			
<p>NOTICE(s): For the short-term certificate in Precision Machining Technology, the student must complete a minimum of 28 credit hours from the courses listed above. All courses must be approved by the advisor. Admission Requirement: High school diploma or GED. The student is responsible for verifying the transferability of credit in this program to a senior institution with the appropriate senior institution advisor.</p> <p>Course offerings may vary by campus each semester; please see your advisor to register for classes.</p>			

RADIOLOGIC TECHNOLOGY A.A.S.

Advisors – Wallace Drive Campus: Gina Tice, (256.549.8469) gtice@gadsdenstate.edu; Ashley Thompson, (256.549-8468) athompson@gadsdenstate.edu

STUDENT PROGRESS

	Grade	Term Completed
Area I – Written Composition:..... 3		
• ENG 101 - English Composition I.....3	_____	_____
Area II – Humanities and Fine Arts.....3		
• Humanities/Fine Arts*3	_____	_____
Area III – Natural Sciences and Mathematics: 11		
• BIO 201 - Human Anatomy and Physiology I4	_____	_____
• BIO 202 - Human Anatomy and Physiology II4	_____	_____
• MTH 100 - Intermediate College Algebra OR Higher level Math (Math 116 is not a higher level Math)3	_____	_____
Area IV – History, Social and Behavioral Sciences: 3		
• PSY 200 - General Psychology3	_____	_____
Area V – Professional, Major and Elective Courses: 56		
In lieu of CIS 146, competency in basic use of computers is demonstrated by extensive use of computers as required in labs and clinicals.		
• ORI 101 - Orientation to College1	_____	_____
• RAD 111 - Introduction to Radiography2	_____	_____
• RAD 112 - Radiography Procedures I4	_____	_____
• RAD 113 - Patient Care.....2	_____	_____
• RAD 114 - Clinical Education I2	_____	_____
• RAD 122 - Radiographic Procedures II4	_____	_____
• RAD 124 - Clinical Education II5	_____	_____
• RAD 125 - Imaging Equipment3	_____	_____
• RAD 134 - Clinical Education III5	_____	_____
• RAD 135 - Exposure Principles3	_____	_____
• RAD 136 - Radiation Protection and Biology.....2	_____	_____
• RAD 212 - Image Evaluation and Pathology.....2	_____	_____
• RAD 214 - Clinical Education IV8	_____	_____
• RAD 224 - Clinical Education V8	_____	_____
• RAD 227 - Review Seminar.....2	_____	_____
• SPH 106 - Fundamentals of Oral Communication.....3	_____	_____
Total Hours Required for Degree:.....76		

NOTICE: The Radiologic Technology Program has a selective admission process. Please visit the program website for complete details: www.gadsdenstate.edu/rad-tech/home

***Note:** Humanities and Fine Arts disciplines include but are not limited to the following: Literature, Ethnic Studies, Art and Art History, Foreign Language Literature, Music and Music History, Philosophy, Ethics, Religious Studies, Theater, and Dance.

SAMPLE SEMESTER PLAN

RADIOLOGIC TECHNOLOGY A.A.S.**Advisors – Wallace Drive Campus**Gina Tice, (256.549.8469) gtice@gadsdenstate.eduAshley Thompson, (256.549-8468) athompson@gadsdenstate.edu

FALL SEMESTER		SPRING SEMESTER	
Course	Credit Hours	Course	Credit Hours
BIO 201: Human Anatomy and Physiology I	4	BIO 202: Human Anatomy and Physiology II	4
MTH 100: Intermediate College Algebra	3	RAD 122: Radiographic Procedures II	4
ORI 101: Orientation to College	1	RAD 124: Clinical Education II	5
RAD 111: Introduction to Radiography	2	RAD 125: Imaging Equipment	3
RAD 112: Radiography Procedures I	4		
RAD 113: Patient Care	2		
RAD 114: Clinical Education I	2		
Total Semester Hours	18	Total Semester Hours	16
SUMMER SEMESTER		FALL SEMESTER	
Course	Credit Hours	Course	Credit Hours
ENG 101: English Composition I	3	PSY 200: General Psychology	3
RAD 134: Clinical Education III	5	RAD 212: Image Evaluation and Pathology	2
RAD 135: Exposure Principles	3	RAD 214: Clinical Education IV	8
RAD 136: Radiation Protection and Biology	2	SPH 106: Fundamentals of Oral Communication	3
Total Semester Hours	13	Total Semester Hours	16
SPRING SEMESTER			
Course	Credit Hours		
*Humanities Elective:_____	3		
RAD 224: Clinical Education V	8		
RAD 227: Review Seminar	2		
Total Semester Hours	13		
Total hours required for degree: 76			
NOTICE: The Radiologic Technology Program has a selective admission process. Please visit the program website for complete details: www.gadsdenstate.edu/rad-tech/home .			
*Note: Humanities disciplines include but are not limited to the following: Literature, Ethnic Studies, Foreign Language Literature, Philosophy, Ethics, and Religious Studies. Fine Arts disciplines include but are not limited to the following: Art and Art History, Music and Music History, Theater, and Dance.			
All italicized courses can be taken before the designated semester, but no later than they appear.			

REGISTERED NURSING A.A.S.

Advisor – Wallace Drive Campus: Pam Mayo (256.549.8257) pmayo@gadsdenstate.edu

STUDENT PROGRESS

	<u>Grade</u>	<u>Term Completed</u>
Area I – Written Composition: 3		
• ENG 101 - English Composition I 3	_____	_____
Area II – Humanities and Fine Arts:..... 3		
• Humanities Elective* 3	_____	_____
Area III – Natural Sciences and Mathematics: 15		
• BIO 201 - Human Anatomy and Physiology I 4	_____	_____
• BIO 202 - Human Anatomy and Physiology II 4	_____	_____
• BIO 220 - General Microbiology 4	_____	_____
• MTH 100 - Intermediate College Algebra OR Higher level Math (Math 116 is not a higher level Math) 3	_____	_____
Area IV – History, Social and Behavioral Sciences: 3		
• PSY 210 - Human Growth and Development..... 3	_____	_____
Area V – Professional, Major, & Elective Courses:..... 43		
• NUR 112 - Fundamental Concepts of Nursing 7	_____	_____
• NUR 113 - Nursing Concepts I..... 8	_____	_____
• NUR 114 - Nursing Concepts II..... 8	_____	_____
• NUR 115 - Evidence Based Clinical Reasoning 2	_____	_____
• NUR 211 - Advanced Nursing Concepts 7	_____	_____
• NUR 221 - Advanced Evidence Based Clinical Reasoning..... 7	_____	_____
• ORI 101 - Orientation to College..... 1	_____	_____
• SPH 106 - Fundamentals of Oral Communication 3	_____	_____
Total Hours Required for Degree 67		

NOTICE(s): Gadsden State Nursing Program follows the Alabama Community College System nursing curriculum.

"Comprehensive Assessment Plan" must be completed.

A grade of less than 75% in any required nursing course constitutes failure. A student may not progress in the program until all nursing courses are successfully completed in the required sequence. A student who has failed any required nursing course for any two semesters can request readmission one time only as a new student within one year of non-progression or reinstatement.

A minimum grade of "C" (70%) is required in each general education course in the program. A student who does not attain a grade of "C" in each general education course by the semester specified in the catalog/website will be dismissed from the program until the course is repeated and the required grade earned. After the required grade is earned, the student may apply for readmission, following the procedure in the catalog/website, www.gadsdenstate.edu. Academic Bankruptcy and course forgiveness may not be applied to NUR courses.

***NOTE:** Humanities disciplines include but are not limited to the following: Literature, Ethnic Studies, Foreign Language Literature, Philosophy, Ethics, and Religious Studies.

SAMPLE SEMESTER PLAN

REGISTERED NURSING A.A.S.

Advisor – Wallace Drive Campus

Pam Mayo (256.549.8257) pmayo@gadsdenstate.edu

PRE-NURSING COURSES		FIRST SEMESTER	
<u>Course</u>	<u>Credit Hours</u>	<u>Course</u>	<u>Credit Hours</u>
BIO 201: Human Anatomy and Physiology I	4	NUR 112: Fundamental Concepts of Nursing	7
BIO 202: Human Anatomy and Physiology II	4		
BIO 220: General Microbiology	4		
ENG 101: English Composition I	3		
*Humanities Elective: _____	3		
MTH 100: Intermediate College Algebra ¹	3		
ORI 101: Orientation to College	1		
PSY 210: Human Growth and Development	3		
SPH 106: Fundamentals of Oral Communication	3		
Total General Education Hours	28	Total Semester Hours	7
SECOND SEMESTER		THIRD SEMESTER	
<u>Course</u>	<u>Credit Hours</u>	<u>Course</u>	<u>Credit Hours</u>
NUR 113: Nursing Concepts I	8	NUR 114: Nursing Concepts II	8
Total Semester Hours	8	NUR 115: Evidence Based Clinical Reasoning	2
		Total Semester Hours	10
FOURTH SEMESTER		FIFTH SEMESTER	
<u>Course</u>	<u>Credit Hours</u>	<u>Course</u>	<u>Credit Hours</u>
NUR 211: Advanced Nursing Concepts	7	NUR 221: Advanced Evidence Based Clinical Reasoning	7
Total Semester Hours	7	Total Semester Hours	7

Total hours required for degree: 67**NOTICE(s):** Gadsden State Nursing Program follows the Alabama Community College System nursing curriculum.

"Comprehensive Assessment Plan" must be completed.

A grade of less than 75% in any required nursing course constitutes failure. A student may not progress in the program until all nursing courses are successfully completed in the required sequence. A student who has failed any required nursing course for any two semesters can request readmission one time only as a new student within one year of non-progression or reinstatement.

A minimum grade of "C" (70%) is required in each general education course in the program. A student who does not attain a grade of "C" in each general education course by the semester specified in the catalog/website will be dismissed from the program until the course is repeated and the required grade earned. After the required grade is earned, the student may apply for readmission, following the procedure in the catalog/website, www.gadsdenstate.edu. Academic Bankruptcy and course forgiveness may not be applied to NUR courses.

***NOTE:** Humanities disciplines include but are not limited to the following: Literature, Ethnic Studies, Foreign Language Literature, Philosophy, Ethics, and Religious Studies

1. MTH 100 must be successfully completed at the time of application for the Nursing Program.

REGISTERED NURSING -MOBILITY OPTION A.A.S. LPN to RN, Paramedic to RN

Advisor – Wallace Drive Campus: Pam Mayo (256.549.8257) pmayo@gadsdenstate.edu

STUDENT PROGRESS		
	<u>Grade</u>	<u>Term Completed</u>
Area I – Written Composition: 3		
• ENG 101 - English Composition I 3	_____	_____
Area II – Humanities and Fine Arts:..... 3		
• Humanities Elective* 3	_____	_____
Area III – Natural Sciences and Mathematics:..... 15		
• BIO 201 - Human Anatomy and Physiology I 4	_____	_____
• BIO 202 - Human Anatomy and Physiology II 4	_____	_____
• BIO 220 - General Microbiology 4	_____	_____
• MTH 100 - Intermediate College Algebra ¹ OR Higher level Math (Math 116 is not a higher level Math) 3	_____	_____
Area IV – History, Social and Behavioral Sciences: 3		
• PSY 210 - Human Growth and Development..... 3	_____	_____
Area V – Professional, Major, & Elective Courses:..... 28		
• NUR 209 - Concepts for Healthcare Transition Students..... 10	_____	_____
• NUR 211 - Advanced Nursing Concepts 7	_____	_____
• NUR 221 - Advanced Evidence Based Clinical Reasoning..... 7	_____	_____
• ORI 101 - Orientation to College..... 1	_____	_____
• SPH 106 - Fundamentals of Oral Communication OR SPH 107 - Fundamentals of Public Speaking 3	_____	_____
Total Hours Required for Degree 52		

***NOTE:** Humanities disciplines include but are not limited to the following: Literature, Ethnic Studies, Foreign Language Literature, Philosophy, Ethics, and Religious Studies.

Admission Requirements:

- Applicants must have unconditional admission to the College.
- Applicants must have an active unencumbered Alabama LPN or Paramedic license to apply.
- Applicants must have successfully completed General Studies prerequisites with a GPA of 2.5.
- Applicants must have a minimum ACT score of 18 on file at GSCC at the time of application.
- Applicants applying after February 2018 must have successfully completed MTH 100, ENG 101, BIO 201, BIO 202, PSY 210, and SPH 106 prior to the application.

1. MTH 100 must be successfully completed at the time of application for the Nursing Program.

SAMPLE SEMESTER PLAN

REGISTERED NURSING A.A.S.

LPN to RN, Paramedic to RN

Advisor – Wallace Drive Campus

Pam Mayo (256.549.8257) pmayo@gadsdenstate.edu

PRE-NURSING COURSES		FIRST SEMESTER	
<u>Course</u>	<u>Credit Hours</u>	<u>Course</u>	<u>Credit Hours</u>
BIO 201: Human Anatomy and Physiology I	4	NUR 209: Concepts for Healthcare Transition Students	10
BIO 202: Human Anatomy and Physiology II	4		
BIO 220: General Microbiology	4		
ENG 101: English Composition I	3		
*Humanities Elective: _____	3		
MTH 100: Intermediate College Algebra ¹	3		
ORI 101: Orientation to College	1		
PSY 210: Human Growth and Development	3		
SPH 106: Fundamentals of Oral Communication	3		
Total General Education Hours	28	Total Semester Hours	10
SECOND SEMESTER		THIRD SEMESTER	
<u>Course</u>	<u>Credit Hours</u>	<u>Course</u>	<u>Credit Hours</u>
NUR 211: Advanced Nursing Concepts	7	NUR 221: Advanced Evidence Based Clinical Reasoning	7
Total Semester Hours	7	Total Semester Hours	7

Total hours required for degree: 52

***NOTE:** Humanities disciplines include but are not limited to the following: Literature, Ethnic Studies, Foreign Language Literature, Philosophy, Ethics, and Religious Studies.

1. MTH 100 must be successfully completed at the time of application for the Nursing Program.

Admission Requirements:

- Applicants must have unconditional admission to the College.
- Applicants must have an active unencumbered Alabama LPN or Paramedic license to apply.
- Applicants must have successfully completed General Studies prerequisites with a GPA of 2.5.
- Applicants must have a minimum ACT score of 18 on file at GSCC at the time of application.
- Applicants applying after February 2018 must have successfully completed MTH 100, ENG 101, BIO 201, BIO 202, PSY 210, and SPH 106 prior to the application.

SALON AND SPA MANAGEMENT A.A.S.

Advisors – Ayers Campus: J. Tracy Bonner, Cosmetology Building (256.832.1231) jbonner@gadsdenstate.edu

East Broad Campus: Kristina Clifton, Cosmetology Building (256.549.8626) kclifton@gadsdenstate.edu; Zora Garner, Cosmetology Building (256.549.8690) zgarner@gadsdenstate.edu

STUDENT PROGRESS

	Grade	Term Completed
Area I – Written Composition:..... 3		
• ENG 101 - English Composition I.....3	_____	_____
Area II – Humanities and Fine Arts: 3		
• Humanities/Fine Arts*3	_____	_____
Area III – Natural Sciences or Mathematics: 6		
• BIO 150- Human Biology OR Mathematics, Computer Science or Natural Science Elective ...3	_____	_____
• MTH 100 – Intermediate College Algebra OR Numerically higher3	_____	_____
Area IV – History, Social and Behavioral Sciences: 3		
• Economics, Geography, History, Political Science, Psychology, or Sociology3	_____	_____
Area V – Technical Courses: 52		
• CIS 146 – Microcomputer Applications3	_____	_____
• * COS 111 – Introduction to Cosmetology3	_____	_____
• * COS 112 – Introduction to Cosmetology Lab3	_____	_____
• * COS 114 – Chemical Services Lab3	_____	_____
• * COS 115 – Hair Coloring Theory3	_____	_____
• * COS 116 – Hair Coloring Lab.....3	_____	_____
• * COS 117 – Basic Spa Techniques3	_____	_____
• * COS 118 – Basic Spa Techniques Lab.....3	_____	_____
• * COS 123 – Cosmetology Salon Practices3	_____	_____
• * COS 142 – Applied Chemistry for Cosmetology Lab.....3	_____	_____
• * COS 143 – Specialty Hair Preparation Techniques3	_____	_____
• * COS 145 – Hair Shaping Lab3	_____	_____
• * COS 167 – State Board Review3	_____	_____
• COS 192 - Co-Op.....1	_____	_____
• COS 193 - Co-Op.....2	_____	_____
• * ORI 101 – Orientation to College1	_____	_____
• * SAL 133 - Salon Management Technology3	_____	_____
• * SAL 201–Entrepreneurship for Salon/Spa.3	_____	_____
• SPH 106 – Fundamentals of Oral Communication3	_____	_____
• * WKO 106 – Workplace Skills3	_____	_____
• COS Electives6	_____	_____

*Required Courses

Total Hours Required for Degree:..... 67

NOTICE(s): For the A.A.S. in Salon and Spa Management, the student must complete all of the 67 credit hours listed above—52 in technical courses and 15 in general education courses—all of which must be approved by the advisor. Required courses may vary to provide options and to meet the student needs. Admission Requirements: High School Diploma or GED.

***Note:** Humanities and Fine Arts disciplines include but are not limited to the following: Literature, Ethnic Studies, Art and Art History, Foreign Language Literature, Music and Music History, Philosophy, Ethics, Religious Studies, Theater, and Dance.

SAMPLE SEMESTER PLAN

SALON AND SPA MANAGEMENT A.A.S.**Advisors – Ayers Campus**J. Tracy Bonner, Cosmetology Building (256.832.1231) jbonner@gadsdenstate.edu**East Broad Campus**Kristina Clifton, Cosmetology Building (256.549.8626) kclifton@gadsdenstate.edu;Zora Garner, Cosmetology Building (256.549.8690) zgarner@gadsdenstate.edu

FIRST SEMESTER		SECOND SEMESTER	
<u>Course</u>	<u>Credit Hours</u>	<u>Course</u>	<u>Credit Hours</u>
COS 111: Introduction to Cosmetology	3	COS 114: Chemical Services Lab	3
COS 112: Introduction to Cosmetology Lab	3	COS 115: Hair Coloring Theory	3
COS 142: Applied Chemistry for Cosmetology Lab	3	COS 116: Hair Coloring Lab	3
COS 145: Hair Shaping Lab	3	COS 123: Cosmetology Salon Practices	3
BIO 150: Human Biology	3	MTH 100: Intermediate College Algebra or numerically higher MTH	3
ENG 101: English Composition I	3	SPH 106: Fundamentals of Oral Communication	
ORI 101: Orientation to College	1	-OR-	
		COS 162: Special Topics in Cosmetology	3
Total Semester Hours	19	Total Semester Hours	18
THIRD SEMESTER		FOURTH SEMESTER	
<u>Course</u>	<u>Credit Hours</u>	<u>Course</u>	<u>Credit Hours</u>
COS 117: Basic Spa Techniques	3	COS 167: State Board Review	3
COS 118: Basic Spa Techniques Lab	3	SAL 201: Entrepreneurship for Salon and Spa Management	3
COS 143: Specialty Hair Preparation Techniques	3	WKO 106: Work Place Skills	3
SAL 133: Salon Management Technology	3	ART 100: Art Appreciation*	3
CIS 146: Microcomputer Applications		PSY 200: General Psychology	3
-OR-			
COS 181: Special Topics			
-OR-			
COS 182: Special Topics	3		
Total Semester Hours	15	Total Semester Hours	15
Total hours required for degree: 67			
NOTICE(s): For the A.A.S. in Salon and Spa Management, the student must complete all of the 67 credit hours listed above—52 in technical courses and 15 in general education courses—all of which must be approved by the advisor. Required courses may vary to provide options and to meet the student needs. Admission Requirements: High School Diploma or GED.			
*Note: Humanities and Fine Arts disciplines include but are not limited to the following: Literature, Ethnic Studies, Art and Art History, Foreign Language Literature, Music and Music History, Philosophy, Ethics, Religious Studies, Theater, and Dance.			
Course offerings may vary by campus each semester; please see your advisor to register for classes.			

SALON AND SPA MANAGEMENT - COSMETOLOGY CERTIFICATE

Advisors – Ayers Campus: J. Tracy Bonner, Cosmetology Building (256.832.1231) jbonner@gadsdenstate.edu

East Broad Campus: Zora Garner, Cosmetology Building (256.549.8690) zgarner@gadsdenstate.edu

Kristina Clifton (256.549.8626) kclifton@gadsdenstate.edu

STUDENT PROGRESS

	<u>Grade</u>	<u>Term Completed</u>
Area I – Written Composition:3		
• ENG 101 - English Composition I 3	_____	_____
Area II – Humanities and Fine Arts:0		
Area III – Natural Science or Mathematics:3		
• MTH 100 - Intermediate College Algebra OR numerically higher 3	_____	_____
Area IV – History, Social and Behavioral Sciences:0		
Area V – Technical Courses:..... 43		
• CIS 146 - Microcomputer Applications 3	_____	_____
• * COS 111 - Introduction to Cosmetology 3	_____	_____
• * COS 112 - Introduction to Cosmetology Lab 3	_____	_____
• * COS 114 - Chemical Services Lab 3	_____	_____
• * COS 115 - Hair Coloring Theory 3	_____	_____
• * COS 116 - Hair Coloring Lab 3	_____	_____
• * COS 117 - Basic Spa Techniques 3	_____	_____
• * COS 118 - Basic Spa Techniques Lab 3	_____	_____
• * COS 123 - Cosmetology Salon Practices 3	_____	_____
• * COS 142 - Applied Chemistry for Cosmetology Lab 3	_____	_____
• * COS 143 - Specialty Hair Preparation Techniques 3	_____	_____
• * COS 145 – Hair Shaping Lab 3	_____	_____
• COS 192 - Co-Op 1	_____	_____
• COS 193 - Co-Op 2	_____	_____
• * ORI 101 - Orientation to College 1	_____	_____
• * SAL 133 – Salon Management Technology 3	_____	_____
• SPH 106 - Fundamentals of Oral Communication 3	_____	_____
• COS Electives 6	_____	_____

*Required Courses

Total Hours Required for Certificate:.....49

NOTICE(s): For the certificate in Salon and Spa Management Cosmetology Technology, the student must complete all of the 49 credit hours listed above—43 in technical courses and 6 in general education courses – all of which must be approved by the advisor. Required courses may vary to provide options and to meet student needs. The courses are listed above. Admission Requirements: High School Diploma or GED.

This program is a Gainful Employment Program. Information on the graduation rate, award type, average loan debt, number of students borrowing money, and the cost and length of this program can be found at: <http://www.gadsdenstate.edu/sites/default/files/u21/12.0401-Cosmetology.pdf>.

SAMPLE SEMESTER PLAN

SALON AND SPA MANAGEMENT COSMETOLOGY CERTIFICATE

Advisors – Ayers CampusJ. Tracy Bonner, Cosmetology Building (256.832.1231) jbonner@gadsdenstate.edu**East Broad Campus**Kristina Clifton, Cosmetology Building (256.549.8626) kclifton@gadsdenstate.edu;Zora Garner, Cosmetology Building (256.549.8690) zgarner@gadsdenstate.edu

FIRST SEMESTER		SECOND SEMESTER	
<u>Course</u>	<u>Credit Hours</u>	<u>Course</u>	<u>Credit Hours</u>
COS 111: Introduction to Cosmetology	3	COS 114: Chemical Services Lab	3
COS 112: Introduction to Cosmetology Lab	3	COS 115: Hair Coloring Theory	3
COS 142: Applied Chemistry for Cosmetology Lab	3	COS 116: Hair Coloring Lab	3
COS 145: Hair Shaping Lab	3	COS 123: Cosmetology Salon Practices	3
ENG 101: English Composition I	3	MTH 100: Intermediate College Algebra or numerically higher MTH	3
ORI 101: Orientation to College	1	SPH 106: Fundamentals of Oral Communication	
		-OR-	
		COS 162: Special Topics in Cosmetology	3
Total Semester Hours	16	Total Semester Hours	18
THIRD SEMESTER			
<u>Course</u>	<u>Credit Hours</u>		
COS 117: Basic Spa Techniques	3		
COS 118: Basic Spa Techniques Lab	3		
COS 143: Specialty Hair Preparation Techniques	3		
SAL 133: Salon Management Technology	3		
CIS 146: Microcomputer Applications			
-OR-			
COS 181: Special Topics			
-OR-			
COS 182: Special Topics	3		
Total Semester Hours	15		
Total hours required for certificate: 49			
NOTICE(s): For the certificate in Salon and Spa Management Cosmetology Technology, the student must complete all of the 49 credit hours listed above— 43 in technical courses and 6 in general education courses – all of which must be approved by the advisor. Required courses may vary to provide options and to meet student needs. The courses are listed above. Admission Requirements: High School Diploma or GED.			
Course offerings may vary by campus each semester; please see your advisor to register for classes.			

SALON AND SPA MANAGEMENT - COSMETOLOGY ESTHETICS SHORT-TERM CERTIFICATE

Advisors – East Broad Campus: Zora Garner, Cosmetology Building (256.549.8690) zgarner@gadsdenstate.edu
Kristina Clifton (256.549.8626) kclifton@gadsdenstate.edu

STUDENT PROGRESS

Grade Term Completed

Required Technical Courses:

• COS 134 - Advanced Esthetics.....	3	_____	_____
• COS 135 - Advanced Esthetics Applications.....	3	_____	_____
• COS 163 - Facial Treatments	3	_____	_____
• COS 164 - Facial Machine.....	3	_____	_____
• COS 165 - Related Subjects Estheticians	3	_____	_____
• COS 168 - Bacteriology and Sanitation	3	_____	_____
• COS 169 - Skin Functions.....	3	_____	_____
• SAL 133 - Salon Management Technology	3	_____	_____
• ORI 101 - Orientation to College	1	_____	_____

Total Hours Required for Certificate 25

NOTICE(s): For the short-term certificate in Salon and Spa Management Esthetics Technology, the student must complete all of the 25 credit hours listed above—all of which must be approved by the advisor. Required courses may vary to provide options and to meet student needs. Courses will be selected from those listed above. Admission Requirements: High School Diploma or GED. **This program is offered at the East Broad Campus only.**

This program is a Gainful Employment Program. Information on the graduation rate, award type, average loan debt, number of students borrowing money, and the cost and length of this program can be found at: <http://www.gadsdenstate.edu/sites/default/files/u21/12.0401-Esthetics%20and%20Nail.pdf>.

SALON AND SPA MANAGEMENT - COSMETOLOGY NAIL TECHNOLOGY SHORT-TERM CERTIFICATE

Advisors – East Broad Campus: Zora Garner, Cosmetology Building (256.549.8690) zgarner@gadsdenstate.edu
Kristina Clifton (256.549.8626) kclifton@gadsdenstate.edu

STUDENT PROGRESS

Grade Term Completed

Required Technical Courses:

• COS 150 - Manicuring	3	_____	_____
• COS 151 - Nail Care	3	_____	_____
• COS 152 - Nail Care Applications	3	_____	_____
• COS 153 - Nail Art	3	_____	_____
• COS 154 - Nail Art Applications.....	3	_____	_____
• COS 181 - Special Topics	3	_____	_____
• COS 182 - Special Topics	3	_____	_____
• SAL 133 - Salon Management Technology	3	_____	_____
• ORI 101 - Orientation to College	1	_____	_____

Total Hours Required for Certificate: 25

NOTICE(s): For the short-term certificate in Salon and Spa Management Nail Technology, the student must complete all of the 25 credit hours listed above—all of which must be approved by the advisor. Required courses may vary to provide options and to meet student needs. Courses will be selected from those listed above. Admission Requirements: High School Diploma or GED. **This program is offered at the East Broad Campus only.**

This program is a Gainful Employment Program. Information on the graduation rate, award type, average loan debt, number of students borrowing money, and the cost and length of this program can be found at: <http://www.gadsdenstate.edu/sites/default/files/u21/12.0401-Esthetics%20and%20Nail.pdf>.

SAMPLE SEMESTER PLAN

SALON AND SPA MANAGEMENT SHORT-TERM CERTIFICATES

Advisors – East Broad Campus

Zora Garner, Cosmetology Building (256.549.8690) zgarner@gadsdenstate.eduKristina Clifton (256.549.8626) kclifton@gadsdenstate.edu

COSMETOLOGY ESTHETICS

FIRST SEMESTER		SECOND SEMESTER	
<u>Course</u>	<u>Credit Hours</u>	<u>Course</u>	<u>Credit Hours</u>
COS 163: Facial Treatments	3	COS 134: Advanced Esthetics	3
COS 164: Facial Machine	3	COS 135: Advanced Esthetics Applications	3
COS 168: Bacteriology and Sanitation	3	COS 165: Related Subjects Estheticians	3
COS 169: Skin Functions	3	SAL 133: Salon Management Technology	3
ORI 101: Orientation to College	1		
Total Semester Hours	13	Total Semester Hours	12

Total hours required for short-term certificate: 25

COSMOTOLOGY NAIL TECHNOLOGY

FIRST SEMESTER		SECOND SEMESTER	
<u>Course</u>	<u>Credit Hours</u>	<u>Course</u>	<u>Credit Hours</u>
COS 150: Manicuring	3	COS 154: Nail Art Applications	3
COS 151: Nail Care	3	COS 181: Special Topics	3
COS 152: Nail Care Applications	3	COS 182: Special Topics	3
COS 153: Nail Art	3	SAL 133: Salon Management Technology	3
ORI 101: Orientation to College	1		
Total Semester Hours	13	Total Semester Hours	12

Total hours required for short-term certificate: 25

NOTICE(s): For the short-term certificate in Salon and Spa Management Nail Technology or Esthetics, the student must complete all of the 25 credit hours listed above—all of which must be approved by the advisor. Required courses may vary to provide options and to meet student needs. Courses will be selected from those listed above. Admission Requirements: High School Diploma or GED.

This program is offered at the East Broad Campus only.

SURGICAL/OPERATING ROOM TECHNICIAN SHORT-TERM CERTIFICATE

Advisor – McClellan Center: Brenda Young, (256.238.9372) byoung@gadsdenstate.edu

STUDENT PROGRESS

	<u>Grade</u>	<u>Term Completed</u>
Area III – Natural Sciences and Mathematics:.....7		
• BIO 206 - Human Anatomy ¹ 4	_____	_____
• MTH 116 - Mathematical Applications or higher level MTH 3	_____	_____
Area V – Professional, Major and Elective Courses:21		
• ORI 101 - Orientation to College..... 1	_____	_____
• HPS 100 - Safety Issues for Clinical Practice 1	_____	_____
• HPS 105 - Medical Terminology..... 3	_____	_____
• SUR 101 - Introduction to Surgical Technology 3	_____	_____
• SUR 102 - Applied Surgical Techniques 4	_____	_____
• SUR 103 - Surgical Procedures..... 5	_____	_____
• SUR 104 - Surgical Practicum I..... 4	_____	_____
Total Hours Required for Degree:28		

NOTICE(s): Subject to change due to statewide standardization of Surgical/Operating Room Technician program(s)

This program is offered at the McClellan Center only.

1. May substitute BIO 201 and 202

This program is a Gainful Employment Program. Information on the graduation rate, award type, average loan debt, number of students borrowing money, and the cost and length of this program can be found at: <http://www.gadsdenstate.edu/sites/default/files/u21/51.0909-Surgical%20Technology.pdf>.

SAMPLE SEMESTER PLAN

SURGICAL/OPERATING ROOM TECHNICIAN SHORT-TERM CERTIFICATE

Advisor – McClellan Center

Brenda Young, (256.238.9372) byoung@gadsdenstate.edu

FALL ADMISSION

FIRST SEMESTER		SECOND SEMESTER	
<u>Course</u>	<u>Credit Hours</u>	<u>Course</u>	<u>Credit Hours</u>
BIO 206: Human Anatomy ¹	4	MTH 116: Math Applications	3
HPS 100: Safety Issues for Clinical Practice	1	SUR 103: Surgical Procedures	5
HPS 105: Medical Terminology	3	SUR 104: Surgical Practicum I	4
ORI 101: Orientation to College	1		
SUR 101: Intro to Surgical Technology	3		
SUR 102: Applied Surgical Techniques	4		
Total Semester Hours	16	Total Semester Hours	12

Total hours required for short-term certificate: 28

SPRING ADMISSION

FIRST SEMESTER		SECOND SEMESTER	
<u>Course</u>	<u>Credit Hours</u>	<u>Course</u>	<u>Credit Hours</u>
BIO 206: Human Anatomy ¹	4	MTH 116: Math Applications	3
HPS 100: Safety Issues for Clinical Practice	1	SUR 103: Surgical Procedures	5
HPS 105: Medical Terminology	3		
ORI 101: Orientation to College	1		
SUR 101: Intro to Surgical Technology	3		
SUR 102: Applied Surgical Techniques	4		
Total Semester Hours	16	Total Semester Hours	8

THIRD SEMESTER

<u>Course</u>	<u>Credit Hours</u>
SUR 104: Surgical Practicum I	4
Total Semester Hours	4

Total hours required for short-term certificate: 28

NOTICE(s): Subject to change due to statewide standardization of Surgical/Operating Room Technician program(s)

This program is offered at the McClellan Center only.

1. May substitute BIO 201 and 202

WELDING TECHNOLOGY CERTIFICATE

Advisors – Ayers Campus: Gary Udaka, Welding Technology Building (256.835.5426) gudaka@gadsdenstate.edu

S. Bart Smith, Welding Technology Building (256.835.5480) sbsmith@gadsdenstate.edu

East Broad Campus: Frank Miller, Welding Technology Building (256.549.8653) fmiller@gadsdenstate.edu

Darren McCrary, Welding Technology Building (256.549.8657) dmccrary@gadsdenstate.edu

STUDENT PROGRESS

	Grade	Term Completed
Area I – Written Composition:..... 3		
• ENG 100 - Vocational Technical English I OR		
ENG 101 - English Composition I 3	_____	_____
Area II – Humanities and Fine Arts: 0		
Area III – Natural Science or Mathematics: 3		
• MAH 101 - Introductory Mathematics I OR		
MTH 100 - Intermediate College Algebra or		
numerically higher OR		
WDT 100 - Introduction to Applied Technologies 3	_____	_____
Area IV – History, Social and Behavioral Sciences: 0		
Technical Specialty Approved Area V Electives:.....52		
• DPT 100 - Introductory Computer Skills I OR		
CIS 146 - Microcomputer Applications 3	_____	_____
• * ORT 100 - Orientation for Career Students 1	_____	_____
• SPC 103 - Oral Communication Skills OR		
SPH 106 - Fundamentals of Oral Communication 3	_____	_____
• WDT 108 - SMAW Fillet/OFC 3	_____	_____
• WDT 109 - SMAW Fillet/PAC/CAC 3	_____	_____
• WDT 110 - Industrial Blueprint Reading 3	_____	_____
• WDT 115 - GTAW Carbon Pipe 3	_____	_____
• WDT 116 - GTAW Stainless Pipe 3	_____	_____
• WDT 119 - Gas Metal Arc/Flux Cored Arc Welding 3	_____	_____
• WDT 120 - Shielded Metal Arc Welding Groove 3	_____	_____
• WDT 122 - SMAW Fillet/OFC Lab 3	_____	_____
• WDT 123 - SMAW Fillet/PAC/CAC Lab 3	_____	_____
• WDT 124 - Gas Metal Arc/Flux Cored Arc Welding Lab 3	_____	_____
• WDT 125 - Shielded Metal Arc Welding Groove Lab 3	_____	_____
• WDT 155 - GTAW Carbon Pipe Lab 3	_____	_____
• WDT 156 - GTAW Stainless Pipe Lab 3	_____	_____
• WDT 157 - Consumable Welding Processes 3	_____	_____
• WDT 158 - Consumable Welding Processes Lab 3	_____	_____
• WDT 160 – Robotic Programming & Welding 3	_____	_____
• WDT 162 – Consumable Welding Applications 3	_____	_____
• WDT 163 – Consumable Welding Applications Lab 3	_____	_____
• WDT 166 - Flux Core Arc Welding (FCAW) 3	_____	_____
• WDT 167 – Flux Core Arc Welding Lab 3	_____	_____

WELDING TECHNOLOGY CERTIFICATE continued

STUDENT PROGRESS

	<u>Grade</u>	<u>Term Completed</u>
• WDT 180 - Special Topics OR		
WDT 181 - Special Topics Lab OR		
WDT 182 - Special Topics3	_____	_____
• WDT 183 - Special Topics2	_____	_____
• WDT 183 M - Special Topics Lab3	_____	_____
• WDT 184 – Special Topics1	_____	_____
• WDT 185 – Special Topics Lab3	_____	_____
• WDT 193 - Co-Op OR		
WDT 291 - Co-Op OR		
WDT 292 - Welding Work Based Application3	_____	_____
• WDT 217 - SMAW Carbon Pipe3	_____	_____
• WDT 218 - Certification3	_____	_____
• WDT 219 - Welding Inspection & Testing3	_____	_____
• WDT 221 - Pipefitting and Fabrication3	_____	_____
• WDT 223 - Blueprint Reading for Fabrication3	_____	_____
• WDT 228 - Gas Tungsten Arc Welding3	_____	_____
• WDT 229 - Boiler Tube3	_____	_____
• WDT 230 - Orbital Gas Tungsten Arc Welding3	_____	_____
• WDT 240 - Orbital Gas Tungsten Arc Welding Lab3	_____	_____
• WDT 250 - Pipe Preparation for Orbital Welding Lab3	_____	_____
• WDT 257 - SMAW Carbon Pipe Lab3	_____	_____
• WDT 258 - Certification Lab3	_____	_____
• WDT 268 - Gas Tungsten Arc Lab3	_____	_____
• WDT 269 - Boiler Tube Lab3	_____	_____
• WDT 281 - Special Topics in Welding Technology3	_____	_____
• WDT 286 - Co-Op1	_____	_____
• WDT 288 - Co-Op2	_____	_____

***Required Course**

Total Hours Required for Certificate:..... 58

NOTICE(s): For the certificate in Welding Technology, the student must complete a minimum of 58 credit hours – 52 in technical courses and 6 in general education courses – all of which must be approved by the advisor. Required courses may vary to provide options and to meet student needs. Courses will be selected from those listed above. Admission Requirement: The student must be age 17 or older.

This program is a Gainful Employment Program. Information on the graduation rate, award type, average loan debt, number of students borrowing money, and the cost and length of this program can be found at: <http://www.gadsdenstate.edu/sites/default/files/u21/48.0508-Welding%20Certificate.pdf>.

SAMPLE SEMESTER PLAN

WELDING TECHNOLOGY CERTIFICATE**Advisors – Ayers Campus**Gary Udaka, Welding Technology Building (256.835.5426) gudaka@gadsdenstate.eduS. Bart Smith, Welding Technology Building (256.835.5480) sbsmith@gadsdenstate.edu**East Broad Campus**Frank Miller, Welding Technology Building (256.549.8653) fmiller@gadsdenstate.eduDarren McCrary, Welding Technology Building (256.549.8657) dmccrary@gadsdenstate.edu

FIRST SEMESTER		SECOND SEMESTER	
<u>Course</u>	<u>Credit Hours</u>	<u>Course</u>	<u>Credit Hours</u>
WDT 109: SMAW Fillet/PAC/CAC	3	WDT 110: Industrial Blueprint Reading	3
WDT 123: SMAW Fillet/PAC/CAC Lab	3	WDT 119: Gas Metal Arc/Flux Cored Arc Welding	3
WDT 162: Consumable Welding Applications	3	WDT 124: Gas Metal Arc/Flux Cored Arc Welding Lab	3
WDT 163: Consumable Welding Applications Lab	3	WDT 166: Flux Core Arc Welding (FCAW)	3
MAH 101: Introductory Mathematics		WDT 167: Flux Core Arc Welding Lab	3
-OR-		ENG 100: Vocational Technical English I	
MTH 100: Intermediate College Algebra or numerically higher MTH		-OR-	
-OR-		ENG 101: English Composition I	3
WDT 100: Introduction to Applied Technologies	3		
ORT 100: Orientation for Career Students	1		
Total Semester Hours	16	Total Semester Hours	15
THIRD SEMESTER		FOURTH SEMESTER	
<u>Course</u>	<u>Credit Hours</u>	<u>Course</u>	<u>Credit Hours</u>
WDT 120: Shielded Metal Arc Welding Groove	3	WDT 115: GTAW Carbon Pipe	3
WDT 125: Shielded Metal Arc Welding Groove Lab	3	WDT 155: GTAW Carbon Pipe Lab	3
WDT 217: SMAW Carbon Pipe	3	WDT 228: Gas Tungsten Arc Welding	3
WDT 257: SMAW Carbon Pipe Lab	3	WDT 268: Gas Tungsten Arc Lab	3
Total Semester Hours	12	Total Semester Hours	12

Total hours required for certificate: 58

NOTICE(s): For the certificate in Welding Technology, the student must complete a minimum of 58 credit hours – 52 in technical courses and 6 in general education courses – all of which must be approved by the advisor. Required courses may vary to provide options and to meet student needs. Courses will be selected from those listed above. Admission Requirement: The student must be age 17 or older.

Course offerings may vary by campus each semester; please see your advisor to register for classes.

WELDING TECHNOLOGY PIPE TUBE WELDING SHORT-TERM CERTIFICATE

Advisors - Ayers Campus: Gary Udaka, Welding Technology Building (256.835.5426) gudaka@gadsdenstate.edu;

S. Bart Smith, Welding Technology Building (256.835.5480) sbsmith@gadsdenstate.edu

East Broad Campus: Frank Miller, Welding Technology Building (256.549.8653) fmiller@gadsdenstate.edu;

Darren McCrary, Welding Technology Building (256.549.8657) dmccrary@gadsdenstate.edu

STUDENT PROGRESS

Grade Term Completed

Required Courses:

• WDT 115 – GTAW Carbon Pipe.....	3	_____	_____
• WDT 116 – GTAW Stainless Pipe	3	_____	_____
• WDT 120 – Shielded Metal Arc Welding Groove.....	3	_____	_____
• WDT 125 – Shielded Metal Arc Welding Groove Lab	3	_____	_____
• WDT 155 – GTAW Carbon Pipe Lab	3	_____	_____
• WDT 156 – GTAW Stainless Pipe Lab.....	3	_____	_____
• WDT 217 – SMAW Carbon Pipe.....	3	_____	_____
• WDT 221 – Pipefitting and Fabrication	3	_____	_____
• WDT 228 – Gas Tungsten Arc Welding	3	_____	_____
• WDT 229 – Boiler Tube	3	_____	_____
• WDT 230 – Orbital Gas Tungsten Arc Welding	3	_____	_____
• WDT 257 – SMAW Carbon Pipe Lab	3	_____	_____
• WDT 268 – Gas Tungsten Arc Lab.....	3	_____	_____
• WDT 269 – Boiler Tube Lab	3	_____	_____
• * ORT 100 - Orientation for Career Students.....	1	_____	_____

***Required Course**

Total Hours Required for Certificate:28

NOTICE(s): For the Pipe and Tube Welding short-term certificate in Welding Technology, the student must complete 28 of the 43 credit hours listed above. All courses must be approved by the advisor. Admission Requirement: The student must be age 17 or older.

This program is a Gainful Employment Program. Information on the graduation rate, award type, average loan debt, number of students borrowing money, and the cost and length of this program can be found at: <http://www.gadsdenstate.edu/sites/default/files/u21/48.0508-Welding%20Short%20Term%20Certificate.pdf>.

WELDING TECHNOLOGY SHORT-TERM CERTIFICATE

Advisors – Ayers Campus: Gary Udaka, Welding Technology Building (256.835.5426) gudaka@gadsdenstate.edu;
S. Bart Smith, Welding Technology Building (256.835.5480) sbsmith@gadsdenstate.edu

East Broad Campus: Frank Miller, Welding Technology Building (256.549.8653) fmiller@gadsdenstate.edu;
Darren McCrary, Welding Technology Building (256.549.8657) dmccrary@gadsdenstate.edu

STUDENT PROGRESS

Grade Term Completed

Required Courses:

• WDT 108 - SMAW Fillet/OFC	3	_____	_____
• WDT 109 - SMAW Fillet/PAC/CAC	3	_____	_____
• WDT 110 - Industrial Blueprint Reading	3	_____	_____
• WDT 119 - Gas Metal Arc/Flux Cored Arc Welding	3	_____	_____
• WDT 122 - SMAW Fillet/OFC Lab.....	3	_____	_____
• WDT 123 - SMAW Fillet/PAC/CAC Lab.....	3	_____	_____
• WDT 124 - Gas Metal Arc/Flux Cored Arc Welding Lab.....	3	_____	_____
• WDT 157 - Consumable Welding Processes	3	_____	_____
• WDT 158 - Consumable Welding Processes Lab.....	3	_____	_____
• WDT 160 – Robotic Programming and Welding	3	_____	_____
• WDT 162 – Consumable Welding Applications	3	_____	_____
• WDT 163 – Consumable Welding Applications Lab	3	_____	_____
• WDT 166 - Flux Core Arc Welding (FCAW)	3	_____	_____
• WDT 167 – Flux Core Arc Welding Lab	3	_____	_____
• * ORT 100 - Orientation for Career Students.....	1	_____	_____

***Required Course**

Total Hours Required for Certificate:28

NOTICE(s): For the short-term certificate in Welding Technology, the student must complete 28 credit hours from the 43 credit hours listed above. All courses must be approved by the advisor. Admission Requirement: The student must be age 17 or older.

This program is a Gainful Employment Program. Information on the graduation rate, award type, average loan debt, number of students borrowing money, and the cost and length of this program can be found at: <http://www.gadsdenstate.edu/sites/default/files/u21/48.0508-Welding%20Short%20Term%20Certificate.pdf>.

SAMPLE SEMESTER PLAN

WELDING TECHNOLOGY SHORT-TERM CERTIFICATES**Advisors – Ayers Campus**Gary Udaka, Welding Technology Building (256.835.5426) gudaka@gadsdenstate.eduS. Bart Smith, Welding Technology Building (256.835.5480) sbsmith@gadsdenstate.edu**East Broad Campus**Frank Miller, Welding Technology Building (256.549.8653) fmiller@gadsdenstate.eduDarren McCrary, Welding Technology Building (256.549.8657) dmccrary@gadsdenstate.edu**PIPE TUBE WELDING**

FIRST SEMESTER		SECOND SEMESTER	
Course	Credit Hours	Course	Credit Hours
WDT 120: Shielded Metal Arc Welding Groove	3	WDT 115: GTAW Carbon Pipe	3
WDT 125: Shielded Metal Arc Welding Groove Lab	3	WDT 155: GTAW Carbon Pipe Lab	3
WDT 217: SMAW Carbon Pipe	3	WDT 228: Gas Tungsten Arc Welding	3
WDT 257: SMAW Carbon Pipe Lab	3	WDT 268: Gas Tungsten Arc Lab	3
ORT 100: Orientation for Career Students	1	WDT 221: Pipefitting and Fabrication	3
Total Semester Hours	13	Total Semester Hours	15

Total hours required for short-term certificate: 28**WELDING TECHNOLOGY**

FIRST SEMESTER		SECOND SEMESTER	
Course	Credit Hours	Course	Credit Hours
WDT 109: SMAW Fillet/PAC/CAC	3	WDT 110: Industrial Blueprint Reading	3
WDT 123: SMAW Fillet/PAC/CAC Lab	3	WDT 119: Gas Metal Arc/Flux Cored Arc Welding	3
WDT 162: Consumable Welding Applications	3	WDT 124: Gas Metal Arc/Flux Cored Arc Welding Lab	3
WDT 163: Consumable Welding Applications Lab	3	WDT 166: Flux Core Arc Welding (FCAW)	3
ORT 100: Orientation for Career Students	1	WDT 167: Flux Core Arc Welding Lab	3
Total Semester Hours	13	Total Semester Hours	15

Total hours required for short-term certificate: 28

Course offerings may vary by campus each semester; please see your advisor to register for classes.

WORD PROCESSING SPECIALIST SHORT-TERM CERTIFICATE

Advisors – Ayers Campus: Gerri Langley (256.835.5446) glangley@gadsdenstate.edu;

East Broad Campus: Fay Scott (256.439.6876) fscott@gadsdenstate.edu;

Larrhea Sims (256.439.6904) lsims@gadsdenstate.edu

STUDENT PROGRESS

	<u>Grade</u>	<u>Term Completed</u>
Area V – Professional, Major and Elective Courses:.....25		
• ORI 101 - Orientation to College1	_____	_____
• CIS 146 - Microcomputer Applications3	_____	_____
• CIS 147 - Advanced Micro Applications.....3	_____	_____
• OAD 101 - Beginning Keyboarding3	_____	_____
• OAD 103 - Intermediate Keyboarding.....3	_____	_____
• OAD 104 - Advanced Keyboarding3	_____	_____
• OAD 125 - Word Processing3	_____	_____
• OAD 126 - Advanced Word Processing3	_____	_____
• OAD 218 - Office Procedures3	_____	_____
Total Hours Required for Certificate: 25		

SAMPLE SEMESTER PLAN

WORD PROCESSING SPECIALIST SHORT-TERM CERTIFICATE

Advisors – Ayers CampusGerri Langley (256.835.5446) glangley@gadsdenstate.edu;**Wallace Drive Campus**Fay Scott (256.439.6876) fscott@gadsdenstate.edu;Larrhea Sims (256.439.6904) lsims@gadsdenstate.edu

FIRST SEMESTER		SECOND SEMESTER	
<u>Course</u>	<u>Credit Hours</u>	<u>Course</u>	<u>Credit Hours</u>
CIS 146: Microcomputer Applications	3	CIS 147: Advanced Micro Applications	3
OAD 101: Beginning Keyboarding	3	OAD 103: Intermediate Keyboarding	3
OAD 218: Office Procedures	3	OAD 125: Word Processing	3
ORI 101: Orientation to College	1		
Total Semester Hours	10	Total Semester Hours	9
THIRD SEMESTER			
<u>Course</u>	<u>Credit Hours</u>		
OAD 104: Advanced Keyboarding	3		
OAD 126: Advanced Word Processing	3		
Total Semester Hours	6		
Total hours required for short-term certificate: 25			
Course offerings may vary by campus each semester; please see your advisor to register for classes.			

ADDITIONAL PROGRAM INFORMATION

Division of Health Sciences

Diagnostic Medical Sonography

Students accepted into the DMS program will spend four semesters (in addition to their required general education courses) learning the skills, patient care, professionalism, and didactic knowledge required to earn a successful career in the field of sonography. The DMS curriculum is a comprehensive program covering Abdomen, Small Parts, Ob-Gyn, AND Vascular ultrasound. Sonographers are employed by hospitals, clinics, and physicians' offices.

The curriculum is carefully designed to provide students with the well-rounded knowledge and training needed to thrive in the Sonography industry. Students completing the DMS program will receive the Associate in Applied Science degree in Diagnostic Medical Sonography. Upon successful completion of the program, students will be academically prepared to sit for registry exams with ARRT, ARDMS, and CCI. The student will have obtained the necessary knowledge to attempt credentialing in the modalities of Abdomen, OB, or Vascular, *when eligible with each perspective agency*. Passing these credentials can greatly increase a student's job and income potential and ensures professional status as a diagnostic medical sonographer. Detailed program information is available at <http://www.gadsdenstate.edu/health/diagnostic-medical-sonography>.

Emergency Medical Services

The College offers three related programs in this career area leading to the Associate in Applied Science degree in Emergency Medical Services (EMS) and three institutional program certificates in EMT, Advanced EMT and Paramedic.

The Emergency Medical Services Program is accredited by the Committee on Accreditation of Allied Health Programs (CAAHEP), 1361 Park Street, Clearwater, FL 33756; telephone: 727.210.2350; fax: 727.210.2354; website: www.caahep.org by recommendation from the Committee on Accreditation of Educational Programs for the EMS Profession of Allied Health Programs (CoAEMSP), 4101 Oaks Blvd., #305-599, Arlington, TX 76016; telephone: 817.330.0080; fax: 817.330.0089; website: www.coaemsp.org and by the State of Alabama Department of Public Health Office of Emergency Medical Services and Trauma (ADPH-OEMST) RSA Tower, 201 Monroe Street, Suite 750, Montgomery, AL 36104; telephone: 334.206.5383; fax: 334.206.5260; www.adph.org. For information about the program, individuals may visit <http://www.gadsdenstate.edu/ems/emergency-medical-services> or contact the Director at 256.549.8654, or e-mail jhollingsworth@gadsdenstate.edu.

Healthcare Linkage Programs

The Division of Health Sciences has articulation agreements with Jefferson State Community College and Wallace State Community College—Hanceville for various healthcare programs not offered at GSCC. Further information can be obtained by calling 256.549.8257.

Massage Therapy Program

The Therapeutic Massage Program, which is approved by the Alabama Board of Massage Therapy (telephone number 334.269.9990; website www.almtbd.state.al.us) is a short-certificate (29 credit hours; 720 contact hours) program that prepares students to become successful practicing bodyworkers by giving them broad knowledge of Western theories and techniques. Upon successful completion of the program, graduates are eligible to write the MBLEx (Massage and Bodywork Licensing Exam) exam through the Federation of State Massage Therapy Boards (website www.fsmtb.org). The Gadsden State Community College Massage Therapy Program is accredited through COMTA (Commission on Massage Therapy Accreditation, 5335 Wisconsin Avenue NW, Suite 440, Washington, D.C. 20015, telephone number 202.895.1518). Program information is available at <http://www.gadsdenstate.edu/tmp/home>.

Medical Laboratory Technology Program

Medical laboratory technicians (MLTs) perform tests that analyze a variety of clinical specimens that include blood, tissues, urine, and other body fluids. They use complex instruments, specialized techniques, and scientific knowledge to provide critical information for diagnosis, treatment, and preventative health care. MLTs perform routine laboratory tests, perform and evaluate quality control tests, perform calibration and preventative maintenance of laboratory instruments and report test results. In addition, MLTs work with other health-care professionals, including physicians, by providing appropriate information to establish modern, cost-effective diagnostic test profiles. Medical laboratory personnel are part of the health-care team and must communicate effectively with patients, other health-care professionals, and the public.

This program, which is accredited by the National Accrediting Agency for Clinical Laboratory Sciences (5600 N. River Road, Suite 720, Rosemont, IL 60018; phone 773.714.8880; fax 773.714.8886; website: www.nacls.org), entails a five-semester/term curriculum leading to an Associate in Applied Science degree in Medical Laboratory Technology (MLT). Graduates of this program are eligible to write the registry examination offered for certification by the American Society of Clinical Pathologists (ASCP) or by the American Medical Technologist (AMT). After passing the examination, graduates are certified as registered Medical Laboratory Technicians. This certification ensures professional status. For information regarding the Medical Laboratory Technology Program, individuals should visit the MLT Program website (<https://www.gadsdenstate.edu/mlt/home>) or call 256.549.8217.

Practical Nursing—General Information

The Nursing Education Program is a concept based curriculum which is a stackable credential that can be completed in three semesters. If the student wishes to complete the Licensed Practical Nurse (LPN) certificate only, the student

must successfully complete NUR 112, 113, 114 and 115. These classes can be taken in three semesters. Once NUR 114 and NUR 115 are completed the student may sit for the NCLEX PN exam. If the student wishes to complete the ADN, they may continue and complete the last two semesters. Should the student drop out of sequence upon completing the LPN component, the student has one year in which to reapply to complete the ADN. Summer admission for the nursing program will be at the Cherokee Campus for day classes. Fall admission will be at the Wallace Drive Campus for day classes and Cherokee Campus for night classes.

Gadsden State's Practical Nursing Program, which is approved by the Alabama Board of Nursing (RSA Plaza St 250, 770 Washington Ave., Montgomery, AL 36104; telephone 1.800.656.5318; website: www.abn.state.al.us), and is accredited by the Accreditation Commission for Education in Nursing (3343 Peachtree Road, NE, Suite 850, Atlanta, Georgia 30326; telephone: 404.975.5000; fax 404.975.5020; website www.acenursing.org) is a certificate program that prepares students in the theoretical and clinical practice of basic bedside nursing.

Upon satisfactory completion of the program, graduates are eligible to write the National Council Licensure Examination for Practical Nurses (NCLEX-PN). After passing the examination, graduates will carry the title "Licensed Practical Nurse." Advisors are available in Helderman Hall on the Wallace Drive Campus (256.549.8257). Group advising sessions are available in Helderman Hall on the Wallace Drive campus. Please visit the website for specific date and times. Applicants are admitted without regard to sex, race, color, national origin, marital status, age, or religious preference. For more information on the Practical Nursing Program, those interested should visit http://www.gadsdenstate.edu/nursing_education/home-rn-lpn or www.gadsdenstate.edu. (*Health Science* appears under *Instruction*)

Mission

The mission of the nursing programs of the Alabama Community College System is to prepare graduates to practice safe, competent, patient-centered care in an increasingly complex and rapidly changing health care system. We seek to provide full and equal access to opportunities for educational success to meet the community needs.

Registered Nursing - General Information

The Registered Nursing Program is approved by the Alabama Board of Nursing (RSA Plaza St 250, 770 Washington Ave., Montgomery, AL 36104; telephone 1.800.656.5318; website: www.abn.alabama.gov) and accredited by the Accreditation Commission for Education in Nursing (3343 Peachtree Road, NE, Suite 850, Atlanta, Georgia 30326; telephone: 404.975.5000; fax: 404.975.5020); website: www.acenursing.org to offer the A.A.S. degree in nursing. This career-entry program, to which qualified applicants are admitted without regard to sex, race, color, national origin, marital status, age, or religious preference, is a five-semester/term sequence of laboratory and classroom education and clinical experiences. Successful completion of this program prepares graduates to write the National Council Licensure Examination (NCLEX-RN) for licensure and prac-

tice as Registered Nurses. Group advising sessions are available in Helderman Hall on the Wallace Drive campus. Please visit the website for specific date and times. For more information on the Registered Nursing Program, those interested should visit the website: http://www.gadsdenstate.edu/nursing_education/home-rn-lpn. (*Health Science* appears under *Instruction*.)

Phlebotomy Training Program

For information regarding the Phlebotomy Training Program, individuals should visit the Program website (<http://www.gadsdenstate.edu/phlebotomy/phlebotomy>) or call 256.549.8217. **Phlebotomy training program students are not eligible for federal student aid.**

Radiologic Technology Program

The Radiologic Technologist (Radiographer) uses imaging equipment to produce radiographic images of portions of the human body as prescribed by physicians for use in diagnosing medical problems. When providing these services, radiographers prepare the patient for radiologic examinations by explaining the procedure and properly positioning the patient for the correct exposure. Radiographers utilize problem solving and critical thinking skills to perform medical imaging procedures to ensure the physician receives the necessary information to make an appropriate diagnosis. By using variable technical parameters and measurements, the radiographer can produce quality diagnostic images while preventing unnecessary radiation exposure.

Professional competence requires radiographers apply knowledge of anatomy, physiology, positioning, radiographic technique, and radiation biology and protection in the performance of their responsibilities. Because radiographers are an integral part of the healthcare team, they must also be able to communicate effectively with patients, other health professionals, and the public.

This Program, which is accredited by the Joint Review Committee on Education in Radiologic Technology, entails a five-semester curriculum leading to an Associate in Applied Science degree in Radiologic Technology. Graduates of this Program are eligible to sit for the national certification exam offered by the American Registry of Radiologic Technologists. After passing this examination, the graduate will be certified as a registered technologist in radiography. The certificate of registration carries with it the privilege of using the title "Registered Technologist" and of using the abbreviation R.T.(R) (ARRT). For information regarding the Radiologic Technology Program, individuals should visit www.gadsdenstate.edu/rad-tech/home or call 256.549.8217 (for the most current information).

Surgical/Operating Room Technology

Special program information for the Surgical/Operating Room Technology Program is available at <http://www.gadsdenstate.edu/health/surgical-operating-room-technician>.

St. Clair Correctional Facility

Gadsden State offers instruction and short-term certificate programs at the St. Clair Correctional Facility. For a listing of the certificates offered, contact the Dean of Technical Education and Workforce Development at 256.549.8601.