



**SPARTANBURG
TECHNICAL
COLLEGE**

2004-2005 Catalog Addendum

The following information is an official addendum to the Spartanburg Technical College 2004-2005 Catalog:

- **Financial Matters:** College Costs; Financial Assistance-Sources of Financial Aid, Palmetto Assistance Loan (PAL)
- **Arts and Sciences Division:** Associate in Arts, Associate in Science; Horticulture Technology
- **Business Technology Division:** Accounting; Insurance Specialist; Management with Fire Service Electives; Medical Front Desk Specialist; Office Systems Technology-Medical Option
- **Health and Human Services Division:** Program of Study Listing; Special Admissions Procedures, Prerequisites; Expanded Duty Dental Assisting; Fundamentals of Interpreting; General Technology, Associate Degree in Occupational Technology; Early Childhood Development, Interpreter Training, Medical Assisting, Surgical Technology; Medical Assisting; Medical Laboratory Technology; Nursing; Pharmacy Technician; Pre-Physical Therapist Assistant (Phase I); Surgical Technology; Survey of Interpreting; Therapeutic Massage
- **Industrial and Engineering Technologies Division:** General Engineering Technology; Automotive Technology FORD ASSET; Automotive Technology-Automotive Service Technology; General Technology
- **Course Descriptions:** Changes, additions and/or deletions were made to the following courses- AHS 107, BIO 238, EDC 106, ECD 205, ECD 207, ECD 251, ECD 257, ECD 258, IST 141, IST 226, IST 237, IST 238, ITP 240, NUR 106, NUR 107, NUR 108, NUR 109, NUR 112, NUR 113, NUR 120, NUR 135, NUR 155, NUR 163, NUR 165, NUR 214, NUR 230, NUR 263, NUR 264, NUR 265, NUR 266, NUR 270, RES 277

Financial Matters

College Costs

Tuition

Full-time Students (12 or more credit hours)

Spartanburg County Residents	\$1,333 per semester
Out-of-County S.C. Residents	\$1,667 per semester
Out-of-State/Out-of-County Residents	\$2,615 per semester

Part-time Students (fewer than 12 credit hours)

Spartanburg County Residents	\$112 per credit hour
Out-of-County S.C. Residents	\$139 per credit hour
Out-of-State/Out-of-County Residents	\$218 per credit hour

Fees

Student Support Service Fee	\$5 per credit hour (\$50 maximum)
Enrollment Fee	\$20 per semester

Note: Books and supplies are an additional fee. The Spartanburg County Commission for Technical Education may change tuition and fees without notice.

Financial Assistance

Sources of Financial Aid

Palmetto Assistance Loan (PAL)

The Palmetto Assistance Loan is a private, education loan made by the South Carolina Student Loan Corporation and requires a credit worthy cosigner unless a student is credit worthy and at least 24 years old. The interest rate is the prime rate and is adjusted quarterly. Any unpaid interest that accrues while the student is in school will be capitalized and added to the principal balance when the student enters repayment. This loan has a six-month grace period before repayment begins. To determine eligibility, students must first complete the FAFSA and be ineligible to borrow at STC under the Federal Stafford Loan program and then complete the PAL pre-approval process online at www.scstudentloan.org.

A student must meet the College's satisfactory academic progress policy, be enrolled in an eligible program and be enrolled in at least six credit hours to receive this loan. The financial aid office will counsel a student as to the type of loan for which they are eligible and as to the amount they may borrow.

Arts and Sciences Division

Associate in Arts

Associate in Science

(University Transfer Program)

Course Requirements for Associate in Arts

Credit Hours

A. General Education Courses

ENG 101 English Composition I	3
ENG 102 English Composition II	3
Oral Communications	3
(preferred course depends upon transfer destination)	
SPC 205 Public Speaking	
OR	
SPC 209 Interpersonal Communication	
History	3
Math (transfer level)	3
Lab Science (transfer level)	8
Social/Behavioral Sciences	9
One transfer level course in each of three disciplines from the following:	
ECO, GEO, PSC, PSY, SOC	

Humanities/Fine Arts 6

One transfer level course in each of two disciplines from the following:
ART, ENG (literature), MUS, PHI, THE

B. Major Courses

15 transfer level semester credit hours to be chosen by the student from the following: ART, ECO, ENG, GEO, HIS, HSS, MAT, MUS, PHI, PSC, PSY, REL, SOC, SPC, THE and any foreign language

C. Electives and Other Additional Hours Required for Graduation

9 semester credit hours to parallel four-year degree goal

Minimum semester credit hours required for graduation: 62

Course Requirements for Associate in Science

Credit Hours

A. General Education Courses

ENG 101 English Composition I 3
ENG 102 English Composition II 3
Oral Communications 3
(preferred course depends upon transfer destination)
SPC 205 Public Speaking
OR

SPC 209 Interpersonal Communication
History 3
Math (transfer level) 6
Lab Science (transfer level) 8
Social/Behavioral Sciences 6

One transfer level course in each of two disciplines from the following:
ECO, GEO, PSC, PSY, SOC
Humanities/Fine Arts 6
One transfer level course in each of two disciplines from the following:
ART, ENG (literature), MUS, PHI, THE

B. Major Courses

15 semester transfer level semester credit hours to be chosen by the student from the following: BIO, CHM, MAT, PHS, PHY

C. Electives and Other Additional Hours Required for Graduation

9 semester credit hours to parallel four-year degree goal

Minimum semester credit hours required for graduation: 62

Horticulture Technology

Associate Degree in Agriculture Technology

Unique Aspects

Each year, numerous horticulture program students complete internships with various companies, including Walt Disney World, Callaway Gardens and Biltmore House and Gardens. South Carolina residents not from Spartanburg County enrolled in horticulture technology do not pay out-of-county fees.

Business Technology Division

Accounting

Associate Degree

Course Requirements for Accounting

Credit Hours

B. Major Courses

ACC 101	Accounting Principles I*	3
ACC 201	Intermediate Accounting I*	3
ACC 202	Intermediate Accounting II*	3
ACC 230	Cost Accounting I*	3
ACC 231	Cost Accounting II*	3
ACC 246	Integrated Accounting Software*	3
BAF 260	Financial Management*	3
BUS 121	Business Law I*	3
BUS 175	International Business*	3
CPT 101	Introduction to Computers*	3
CPT 178	Software Applications*	3
ENG 260	Advanced Technical Communications*	3
MGT 101	Principles of Management	3

*Grade of "C" or better is required.

Insurance Specialist

Certificate

Minimum Program Length: 3 terms day or evening

Note: Students required to take Transitional Studies courses or who elect to attend part-time will take longer to complete the designated program.

Management with Fire Service Electives

Associate Degree

Unique Aspects

At the request of the South Carolina State Fireman's Association, this management program has been designed for individuals currently working as a paid or volunteer firefighter. Fifteen semester hours of fire service electives are required and may be taken from an accredited institution or may be earned through experiential learning by the completion of local, state and/or National Fire Academy training courses. Guidelines for awarding exemption credit for certification training offered by the National Fire Academy or the South Carolina Fire Academy are available from the academic advisor and will be used to evaluate students' fire academy transcripts. Spartanburg Technical College does not offer courses that meet this fire service requirement.

Course Requirements for Management with Fire Service Electives

	Credit Hours
A. General Education Courses	
ECO 210 Macroeconomics	3
ENG 101 English Composition I*	3
ENG 102 English Composition II	3
MAT 102 Intermediate Algebra*	3
MAT 120 Probability and Statistics	3
SPC 205 Public Speaking	3
OR	
SPC 209 Interpersonal Communication	

*Grade of "C" or better is required.

C. Electives and/or Other Additional Courses Required for Graduation

The student must complete a total of 15 semester credit hours of fire service electives as outlined above.

- The student must also complete one general elective course which totals a minimum of 3.0 credit hours. The student may use 3.0 credit hours of additional fire service electives to meet the general elective requirement.

Minimum semester credit hours required for graduation: 69

Medical Front Desk Specialist

Certificate

Program Start Date: Fall & spring terms

Minimum Program Length: 3 terms day or evening

Note: Students required to take Transitional Studies courses or who elect to attend part-time will take longer to complete the designated program.

Office Systems Technology - Medical Option

Associate Degree

Program Description

Office Systems Technology - Medical Option students develop the essential skills to work in or manage medical offices, medical records departments and other related health care facilities. Students focus on medical terminology; medical office procedures; microcomputer word processing, spreadsheet, database, communications and Internet applications; general office management; insurance, coding, billing and patient service skills.

Health and Human Services Division

Health and Human Services Division Programs of Study

	<i>Level</i>	<i>Program Start</i>	<i>Minimum Program Length</i>
Fundamentals of Interpreting	Certificate	Fall, Spring	2 terms
Survey of Interpreting	Certificate	Fall, Spring	2 terms

Special Admissions Procedures

Health and Human Services Division

8. Acceptance into the Pre-Physical Therapist Assistant and Pre-Occupational Therapist Assistant (1+1) programs require the student to attend Career Talk at Greenville Technical College; completion of 20 hours of observation within a designated health care facility is also required in accordance with instructions given at Career Talk.

In addition to program-specific application procedures, students must complete the following prerequisite courses (with a grade of "C" or better) prior to enrolling in designated health and human services programs:

Medical Assisting, Respiratory Care: AHS 102 is a program prerequisite for medical assisting. One unit high school biology or chemistry or equivalent; one unit high school algebra or equivalent.

Pre-Occupational Therapy Assistant, Pre-Physical Therapist Assistant: High school biology and high school chemistry or equivalent or BIO 100 and CHM 100, or BIO 112 (preferred) with any high school or transitional lab science; one unit high school algebra or equivalent; physics also recommended for Pre-Physical Therapist Assistant with a "C" or better required in all courses.

Therapeutic Massage: One unit of high school biology or chemistry or equivalent.

Expanded Duty Dental Assisting Diploma

Course Requirements for Expanded Duty Dental Assisting

Credit Hours

Prerequisites

AHS 104 Medical Vocabulary / Anatomy

A. General Education Courses

CPT 101	Introduction to Computers	3
ENG 165	Professional Communication	3
MAT 160	Math for Business and Finance	3
PSY 201	General Psychology	3

B. Major Courses

AHS 113	Head and Neck Anatomy	1
DAT 113	Dental Materials	4
DAT 115	Ethics and Professionalism	1
DAT 118	Dental Morphology	2
DAT 121	Dental Health Education	2
DAT 122	Dental Office Management	2
DAT 123	Oral Medicine / Oral Biology	3
DAT 124	Expanded Functions / Specialties	1
DAT 127	Dental Radiography	4
DAT 154	Clinical Procedures I	4
DAT 174	Office Rotations	4
DAT 177	Dental Office Experience	7

C. Electives and/or Other Additional Courses Required for Graduation

None

Minimum semester credit hours required for graduation: 47

Fundamentals of Interpreting Certificate

Program Start Date: Fall and spring terms

Minimum Program Length: 2 terms Internet based

Program Description

This program gives foundational instruction in how to interpret between English and American Sign Language. Graduates from this certificate can transfer into the Associate degree Interpreter Training Program.

Practical Experience

Students gain field experience through observations and evaluation of professional interpreters and by participating in interpreting internships at local agencies and institutions.

Professional Opportunities

Entry-level interpreters for public and private agencies, free-lance interpreters or preparation for further educational opportunities

Unique Aspects

The Certificate in Fundamentals of Interpreting is delivered on-line (Internet based).

Course Requirements for Fundamentals of Interpreting

Credit Hours

A. General Education Courses

None

B. Major Courses

ITP 101	Introduction to Interpreting	3
ITP 202	Transliterating I	3
ITP 203	Transliterating II	3
ITP 204	Interpreting	3
ITP 205	Interpreting II	3
ITP 206	Sign to Voice Interpreting	3
ITP 207	Sign to Voice Interpreting II	3
ITP 230	Field Experience	1
ITP 240	Interpreting Internship	3

C. Electives and/or Additional Hours Required for Graduation

- No electives required for this program.

Minimum semester credit hours required for graduation: 22

General Technology

Associate Degree in Occupational Technology

Major: Early Childhood Development

Course Requirements for General Technology in Early Childhood Development

Credit Hours

B. Major Courses

Primary Technical Specialty: (33 Credits)

ECD 101(3.0), ECD 102 (3.0), ECD 105 (3.0), ECD 131 (3.0), ECD 132 (3.0), ECD 133 (3.0), ECD 135 (3.0), ECD 203 (3.0), ECD 237 (3.0), ECD 243 (3.0), ECD 244 (3.0)

Secondary Technical Specialty: (12-17 Credits)

ECD 101 (3.0), ECD 102 (3.0), and ECD 203 (3.0) are prerequisites to the secondary specialties.

Choose **one** of the Secondary Specialty Areas and complete all courses in that area.

2. Special Needs (17 Credits)

ASL 101 (4.0), ASL 102 (4.0), ECD 257 (3.0), ECD 259 (3.0), ECD 260 (3.0)

3. Infant Toddler (12 Credits)

ECD 200 (3.0), ECD 205 (3.0), ECD 207 (3.0), ECD 251 (3.0)

A grade of "C" or better is required on all courses.

C. Electives and/or Other Additional Courses Required for Graduation

Students may choose any 3.0 credit course from the catalog.

A grade of "C" or better is required on all courses .

Minimum semester credit hours required for graduation:

Advanced Child Care Management Specialty: 66 Credits

Special Needs Specialty: 71 Credits

Infant Toddler Specialty: 66 Credits

General Technology

Associate Degree in Occupational Technology

Major: Interpreter Training

The Interpreter Training Associate Degree in Public Service has been changed to a General Technology Associate Degree in Occupational Technology major in Interpreter Training. The Interpreter Training Associate Degree in Public Service is no longer offered as printed in the 2004-2005 STC Catalog.

Program Start Date: Any term

Minimum Program Length: 6 terms

Program Description

Interpreter Training students acquire specific skills to work as beginning sign language interpreters who interpret spoken English into American Sign Language and into manually-coded English; and who interpret American Sign Language and manually-coded English into spoken English.

Practical Experience

Students gain field experience through observations and evaluation of professional interpreters and by participating in interpreting internships at local agencies and institutions.

Professional Opportunities

Entry-level interpreters for public and private agencies, free-lance interpreters

Unique Aspects

The General Technology Interpreter Training Program is delivered on-line (Internet based).

Course Requirements for General Technology in Interpreter Training

Credit Hours

A. General Education Courses

ENG 101 English Composition I	3
ENG 102 English Composition II	3
MAT 155 Contemporary Mathematics	3
OR	
MAT 160 Math for Business Finance	
OR	
Any transferable math	
PSY 201 General Psychology	3
SPC 205 Public Speaking	3

B. Major Courses

ITP 101 Introduction to Interpreting	3
ITP 104 Interpreting in Educational Settings	3
ITP 106 Linguistics of American Sign Language	3
ITP 201 Deaf History and Culture	3
ITP 202 Transliterating I	3
ITP 203 Transliterating II	3
ITP 204 Interpreting	3
ITP 205 Interpreting II	3
ITP 206 Sign to Voice Interpreting	3
ITP 207 Sign to Voice Interpreting II	3
ITP 212 Interpreting in Special Settings	3
ITP 214 Business Practices for Interpreters	3
ITP 230 Field Experience	1
ITP 240 Interpreting Internship	3

C. Electives and/or Additional Hours Required for Graduation

- The student must complete an additional humanities or fine arts course (other than ENG 102) that totals 3.0 credit hours.
- The student must complete one elective course that totals 3.0 credit hours.

Minimum semester credit hours required for graduation: 61

General Technology

Associate Degree in Occupational Technology

Major: Medical Assisting

Course Requirements for General Technology in Medical Assisting

Credit Hours

A. General Education Courses

MAT 160	Math for Business and Finance	3
ENG 165	Professional Communications	3
PSY 201	General Psychology	3
CPT 101	Introduction to Computers	3
OR		
CPT 170	Microcomputer Applications	
Humanities/Fine Arts (from approved list)		3

General Technology

Associate Degree in Occupational Technology

Major: Surgical Technology

Course Requirements for General Technology in Surgical Technology

Credit Hours

A. General Education Courses

Basic Use of Computers	3
Humanities/Fine Arts	3
ENG 165 or equivalent	3
MAT 155 or equivalent	3
PSY 103 or equivalent	3

B. Major Courses

Primary Technical Speciality	28*
Secondary Technical Speciality	12

C. Electives and/or Other Additional Courses Required for Graduation

Elective: 3

*Note: The primary technical speciality is the surgical technology diploma. The secondary technical speciality is individualized for each student through their academic advisor. Many of the general education course requirements may have been completed with the surgical technology diploma.

Minimum semester credit hours required for graduation: 60

Medical Assisting

Diploma

Course Requirements for Medical Assisting

Credit Hours

A. General Education Courses

ENG 165	Professional Communications	3
MAT 160	Math for Business & Finance	3
PSY 201	General Psychology	3

B. Major Courses

AHS 104	Medical Vocabulary / Anatomy	3
AHS 170	Fundamentals of Disease	3
MED 103	Medical Assisting Introduction	3
MED 105	Medical Assisting Office Skills I	5
MED 107	Medical Office Management	4
MED 111	Medical Assisting Administrative Skills	3
MED 112	Medical Assisting Pharmacology	2
MED 114	Medical Assisting Clinical Procedures	4
MED 115	Medical Office Lab Procedures	4
MED 125	Medical Assisting Advanced Laborators Procedures	2
MED 156	Clinical Experience I	6

C. Electives and/or Other Additional Courses Required for Graduation

- Students should have previous college credit for the course AHS 102, Medical Terminology before entering the Medical Assisting Program.

Minimum semester credit hours required for graduation: 48

Medical Laboratory Technology

Associate Degree

Course Requirements for Medical Laboratory Technology

Credit Hours

Prerequisites

High school level biology and chemistry or equivalent and unit of algebra

Nursing

Associate Degree

Course Requirements for Associate Degree in Nursing

Course Recommendation

It is highly recommended that the following courses be completed prior to seeking admission into the Associate Degree in Nursing Program: AHS 102, BIO 210, BIO 211, BIO 225, ENG 101, PSY 201, humanities transferrable elective, CPT 101, ENG 102. A Compass algebra score of 46 or above or a transferable math (MAT 110 or MAT 120) is required in order for the student to take NUR 106 in the first semester of the student's curriculum. Students are encouraged to take AHS 102. This program is a hybrid Web enhanced program. A compass college algebra score of 46 or above or a transferable math (MAT 110 or MAT 120) is required in order for the student to take NUR 106 in the first semester of the student's curriculum.

	Credit Hours
A. General Education Courses	
BIO 210 Anatomy and Physiology I	4
BIO 211 Anatomy and Physiology II	4
BIO 225 Microbiology	4
ENG 101 English Composition I	3
ENG 102 English Composition II	3
PSY 201 General Psychology	3
Humanities transferrable elective	3
B. Major Courses	
CPT 101 Introduction to Computers	3
NUR 106 Pharmacologic Basics in Nursing Practice	2
NUR 107 Nutrition and Diet Therapy	1
NUR 120 Basic Nursing Concepts	7
NUR 163 Nursing Across the Lifespan I	2
NUR 165 Nursing Concepts and Clinical Practice I	6
NUR 214 Mental Health Nursing	4
NUR 230 Physical Assessment	3
NUR 263 Nursing Across Life Span II	4
NUR 264 Nursing Across Life Span III	4
NUR 265 Nursing Concepts and Clinical Practice II	6
NUR 270 Principles of Management and Leadership	1
Total Credits: 67	

Pharmacy Technician Certificate

Minimum Program Length: 3 consecutive terms day, evening or weekend (clinical); A daytime pharmacy technician program will begin in fall 2004.

Unique Aspects

Graduates are eligible to apply to take the Pharmacy Technician Certification Examination. Pharmacy technician students are required to be registered with the S.C. Department of Labor, Licensing and Regulation and the S.C. Board of Pharmacy prior to beginning clinical rotations. This involves completing a registration application and paying a \$40 fee. Additional information about registration requirements is available from the program coordinator and on the departmental website at www.stcsc.edu.

Pre-Physical Therapist Assistant (Phase I) Certificate

Course Requirements for Pre-Physical Therapist Assistant Certificate - Phase I

	Credit Hours
A. General Education Courses	
AHS 102 Medical Terminology	3
OR	
AHS 104 Medical Vocabulary / Anatomy	
BIO 210 Anatomy & Physiology I	4
BIO 211 Anatomy & Physiology II	4
CPT 101 Introduction to Computers	3
ENG 101 English Composition I	3
ENG 102 English Composition II	3
MAT 110 College Algebra	3
OR	
MAT 120 Probability and Statistics	
PSY 201 General Psychology	3
PSY 203 Human Growth & Development	3
SPC 205 Public Speaking	3
Elective (humanities)	3

Surgical Technology

Diploma

Unique Aspects

Graduates are eligible to apply to take the Liaison Council on Certification for the Surgical Technologist's national certifying examination to become certified surgical technologists.

Survey of Interpreting

Certificate

Program Start Date: Fall and spring terms

Minimum Program Length: 2 terms Internet based

Program Description

Survey of interpreting students are introduced to the roles, responsibilities, and ethical challenges of interpreting and teaches the theory of sign language interpreting. It serves as a bridge to interpreting skills courses and helps to prepare students for the written portion of the national certification test.

Practical Experience

Students interview interpreters and members of the Deaf community for projects in several courses and gain an understanding of linguistic, cultural and ethical demands of interpreters.

Professional Opportunities

This certificate provides educational preparation for Survey of Interpreting Certificate or Associate's degree program (not a job placement program).

Unique Aspects

The Certificate in Survey of Interpreting is delivered on-line (Internet based). Students graduating from this program are eligible to take the written portion of the RID/NAD interpreter certification test.

Course Requirements for Survey of Interpreter

Credit Hours

A. General Education Courses

None

B. Major Courses

ITP 101	Introduction to Interpreting	3
ITP 104	Interpreting in Educational Settings	3
ITP 106	Linguistics of American Sign Language	3
ITP 201	Deaf History and Culture	3
ITP 212	Interpreting in Special Settings	3
ITP 214	Business Practices for Interpreters	3

C. Electives and/or Additional Hours Required for Graduation

- No electives required for this program.

Minimum semester credit hours required for graduation: 18

Therapeutic Massage

Certificate

Program Start Date: Fall term

Minimum Program Length: 3 consecutive terms day (clinical) and evening

Course Requirements for Therapeutic Massage

Credit Hours

Prerequisites

One unit of high school biology or chemistry or equivalent

A. General Education

None

B. Major Course

ENG 101	English Composition I	3
BIO 110	General Anatomy and Physiology	3
BIO 238	Musculoskeletal System Anatomy	3
PTH 120	Introduction to Massage	4
PTH 121	Principles of Massage I	4
PTH 122	Principles of Massage II	4
PTH 123	Massage Clinical I	3
PTH 124	Massage Business Application	3
PTH 125	Massage Externship	4

Industrial & Engineering Technologies Division

General Engineering Technology

Associate Degree

Course Requirements for General Engineering Technology

Credit Hours

A. General Education Courses

ENG 101 English Communications I	3
Second Communications requirement	3
Fine Arts/Humanities	3
Social/Behavioral Science	3
Lab Science	4
Math to include intermediate algebra, elementary trigonometry and geometry	6

B. Major Courses

EET 113 Electrical Circuits	4
EGR 112 Engineering Programming	3
EGR 175 Manufacturing Processes	3
EGR 194 Statics and Strength of Materials	4
EGT 151 Introduction to CAD	3

C. Electives and/or Additional Courses Required for Graduation

Free Electives	2
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Technical Specialties

The student must take 21 credits hours of technical elective courses that meet the educational objective of the student and/or the sponsor, and that are approved by the academic advisor.

Automotive Technology FORD ASSET

Associate Degree

Course Requirements for Automotive Technology FORD ASSET

Credit Hours

A. General Education Courses

ENG 165 Professional Communications	3
OR	
ENG 101 English Composition I	

	Credit Hours
ECO 101 Basic Economics	3
OR	
Other Humanities/Fine Arts	
OR	
Other Social/Behavioral Science	
HSS 205 Technology and Society	3
OR	
Other Humanities/Fine Arts	
MAT 155 Contemporary Mathematics	3
OR	
MAT 101 Beginning Algebra	
OR	
MAT 102 Intermediate Algebra	
OR	
MAT 110 College Algebra	
PSY 103 Human Relations	3
OR	
Other Social/Behavioral Science	

B. Major Courses

AUT 107 Advanced Engine Repair	4
AUT 111 Brakes	3
AUT 115 Manual Drivetrain/Axle	3
AUT 132 Automotive Electricity	4
AUT 135 Ignition Systems	3
AUT 142 Heating and Air Conditioning	3
AUT 145 Engine Performance	3
AUT 160 Introduction to Automotive Technology	1
AUT 221 Suspension and Steering	3
AUT 231 Automotive Electronics	4
AUT 232 Automotive Accessories	2
AUT 245 Advanced Engine Performance	5
AUT 251 Automatic Transmission Overhaul	5
CWE 114 Coop. Work Experience I	4
CWE 124 Coop. Work Experience II	4
CWE 132 Coop. Work Experience III	2
CWE 214 Coop. Work Experience IV	4
CWE 224 Coop. Work Experience V	4
CWE 232 Coop. Work Experience VI	2

C. Electives and/or Other Additional Courses Required for Graduation

- The student must complete one elective course which totals at least 2.0 credit hours.

Minimum semester credit hours required for graduation: 80

Automotive Technology - Automotive Service Technology

Associate Degree

Course Requirements for Automotive Technology-Automotive Service Technology

	Credit Hours
A. General Education Courses	
ENG 165 Professional Communications	3
OR	
ENG 101 English Composition I	
ECO 101 Basic Economics	3
OR	
Other Humanities/Fine Arts	
OR	
Other Social/Behavioral Science	
HSS 205 Technology and Society	3
OR	
Other Humanities/Fine Arts	
MAT 155 Contemporary Mathematics	3
OR	
MAT 101 Beginning Algebra	
OR	
MAT 102 Intermediate Algebra	
OR	
MAT 110 College Algebra	
PSY 103 Human Relations	3
OR	
Other Social/Behavioral Science	

B. Major Courses

AUT 107 Advanced Engine Repair	4
AUT 111 Brakes	3
AUT 115 Manual Drivetrain/Axle	3
AUT 132 Automotive Electricity	4
AUT 135 Ignition Systems	3
AUT 142 Heating and Air Conditioning	3
AUT 145 Engine Performance	3
AUT 160 Introduction to Automotive Tech.	1
AUT 221 Suspension and Steering	3
AUT 231 Automotive Electronics	4
AUT 232 Automotive Accessories	2
AUT 245 Advanced Engine Performance	5
AUT 251 Automatic Transmission Overhaul	5
CWE 114 Coop. Work Experience I	4
CWE 124 Coop. Work Experience II	4

	Credit Hours
CWE 132 Coop. Work Experience III	2
CWE 214 Coop. Work Experience IV	4
CWE 224 Coop. Work Experience V	4
CWE 232 Coop. Work Experience VI	2

C. Electives and/or Other Additional Courses Required for Graduation

- The student must complete one elective course which totals at least 2.0 credit hours.

Minimum semester credit hours required for graduation: 80

General Technology

Associate Degree

B. Major Courses

Primary Technical Specialty (select one): 28 semester credit hours (min.)

1. *Basic Electronics*: EEM 107 (2.0), EEM 117 (4.0), EEM 118 (4.0), EEM 145 (3.0), EEM 151 (4.0), EEM 152 (4.0), EEM 200 (4.0), EEM 221 (3.0)

2. *Commercial Graphics Technology*: CGC 101* (3.0), CGC 110* (3.0), CGC 122* (3.0), CGC 125* (3.0), GCG 135* (3.0), CGC 206* (3.0), CGC 210* (3.0), CGC 222* (3.0), CGC 225* (3.0), CGC 235* (3.0), CGC 240* (3.0).

3. *H.V.A.C. Technology*: ACR 101 (5.0), ACR 106 (4.0), ACR 110 (4.0), ACR 120 (4.0), ACR 130 (4.0), ACR 140 (3.0), ACR 210 (4.0).

4. *Industrial Electronics Technology*: EEM 107 (2.0), EEM 117* (4.0), EEM 118* (4.0), EEM 151* (4.0), EEM 201* (3.0), EEM 202* (3.0), EEM 231* (3.0), EEM 251* (3.0), EEM 252* (3.0).

5. *IET/Automated Manufacturing Option*: AMT 105* (3.0), EEM 117* (4.0), EEM 118* (4.0), EEM 151* (4.0), EEM 201* (3.0), EEM 202* (3.0), EEM 231* (3.0), EEM 251* (3.0), EEM 252* (3.0).

6. *Industrial Mechanics*: IMT 102 (2.0), IMT 104 (2.0), IMT 111 (5.0), IMT 120 (5.0), IMT 130 (5.0), IMT 140 (5.0), IMT 161 (4.0).

7. *Machine Tool Technology*: EGT 104 (3.0), EGT 108 (2.0), MTT 121 (3.0), MTT 122 (4.0), MTT 123 (3.0), MTT 124 (4.0), MTT 141 (3.0), MTT 211 (3.0), MTT 250 (3.0).

8. *Welding*: WLD 103 (1.0), WLD 105 (1.0), WLD 106 (4.0), WLD 113 (4.0), WLD 115 (4.0), WLD 117 (4.0), WLD 132 (4.0), WLD 136 (2.0), WLD 154 (4.0), WLD 208 (3.0), WLD 212 (2.0).

- Secondary Technical Specialty: An additional 12 semester hours (minimum) in a different technical specialty are required. See note #2 in Section C.

*Grade of "C" or better is required.

C. Electives and/or Other Hours Required for Graduation

- Additional courses/technical electives: 15.0 minimum credit hours
- *Note #1*: One course must provide competencies in the basic use of computers if not already included in major course.
- *Note #2*: Additional secondary technical specialty courses may be required to ensure the student's competency in that specialty.

Minimum semester credit hours required for graduation: 70

Course Descriptions

Deletion:

AHS 107 CLINICAL COMPUTATIONS

Title and Description Change:

BIO 238 MUSCULOSKELETAL SYSTEM ANATOMY (2-3-3.0)

This course is a study of the muscular and skeletal systems with laboratory exercises on the bones, bone markings, and the muscles addressing their origin, insertion, innervation and action.

Prerequisite(s): BIO 110 with a grade of "C" or better, or successful completion of earlier program requirements.

Deletion:

EDC 106 OBSERVATION OF YOUNG CHILDREN

Addition:

ECD 205 SOCIALIZATION AND GROUP CARE OF INFANTS AND TODDLERS (3-0-3.0)

This course is the study of the socialization and group care of infants and toddlers. Emphasis is on guidance and management, understanding behavior, temperament, the importance of routines, primary care and continuity of care, and examining the elements of quality environments.

Addition:

ECD 207 INFANTS AND TODDLERS WITH SPECIAL NEEDS (3-0-3.0)

This course provides an overview of the field of infants and toddlers with special needs. Emphasis will be placed on instructional strategies, adaptations, environment, inclusion, etiology, federal legislation, family partnership, multicultural considerations, and optimal development.

Title Change:

ECD 251 SUPERVISED FIELD EXPERIENCES IN INFANT/TODDLER ENVIRONMENT (0-9-3)

This course is a study of planning, implementing, and evaluating scheduled programs, age-appropriate methods, materials, activities and environments of infants and toddlers.

Change:

ECD 257 SUPERVISED FIELD EXPERIENCES IN EARLY CHILDHOOD SPECIAL EDUCATION (1-6-3.0)

This course includes a supervised field experience in a team environment by certified/licensed professionals who monitor and evaluate student's skills in order to work with children who are developmentally delayed.

Prerequisite(s): ECD 102, ECD 203

Deletion:

ECD 258 FOUNDATIONS OF SPECIAL EDUCATION LAWS

Description Change:

IST 141 NETPREP LOCAL AREA NETWORKS (3-0-3.0)

This course is a study of up-to-date concepts of local area network (LAN) technologies. The course provides a comprehensive introduction to the concepts, technologies, components and acronyms inherent in today's local networking environments, which are necessary to install, configure and administer windows server.

Prerequisite(s): IST 220 with a minimum grade of "C."

Corequisite and Prerequisite Change:

IST 226 INTERNET PROGRAMMING (3-0-3.0)

This course covers designing Internet pages and applications for personal/business use, writing the required program code in languages such as HTML, JAVA and VRML. Testing and debugging program, uploading and maintaining Internet pages and applications.

Prerequisite(s): CPT 114 with a minimum grade of "C."

Corequisite(s) or Prerequisite(s): CPT 168 with a minimum grade of "C."

Prerequisite Change:

IST 237 INTERMEDIATE WEB DESIGN (3-0-3.0)

This course is the study of server-side (CGI; Dynamic HTML) and client-side (JavaScript) dynamic web design, including the incorporation of database applications and content into web pages.

Prerequisite(s): IST 225 and IST 226 with a minimum grade of "C."

Corequisite and Prerequisite Change:

IST 238 ADVANCED TOOLS FOR WEBSITE DESIGN (3-0-3.0)

This course is a study of an advanced (fourth generation) web authoring tool (such as Dreamweaver) to develop increased efficiency and sophistication in website design and web project management.

Corequisite(s) or Prerequisite(s): IST 226 with a minimum grade of "C."

Class-Lab Configuration Change:

ITP 240 INTERPRETING INTERNSHIP (1-6-3.0)

This course allows students to gain practical experience assuming the role of a professional interpreter in a structured setting with on-going feedback from a professional interpreter.

Prerequisite(s): Permission of department head (This course is taken during the student's last semester with the approval of the department head.)

Addition:

NUR 106 PHARMACOLOGIC BASICS IN NURSING PRACTICE (2-0-2.0)

This introductory course outlines the basic concepts of pharmaceuticals, pharmacokinetics, pharmacodynamics, and pharmacotherapeutics. The process of clinical calculations is introduced, as well as the major drug classifications.

Prerequisite(s): MAT 110, MAT 120

Corequisite(s): BIO 210, humanities transferable elective

Addition:

NUR 107 NUTRITION AND DIET THERAPY (1-0-1.0)

This course is a study of the basic concepts of nutrition and diet therapy.

Prerequisite(s): BIO 210, NUR 106, NUR 120, transferable elective

Corequisite(s): BIO 211, CPT 101, NUR 163, NUR 165

Deletion:

NUR 108 PATIENT CARE SKILLS I

Deletion:

NUR 109 CLINICAL APPLICATIONS I

Deletion:

NUR 112 PATIENT CARE SKILLS II

Deletion:

NUR 113 CLINICAL APPLICATIONS II

Addition:

NUR 120 BASIC NURSING CONCEPTS (5-6-7.0)

This course introduces the application of the nursing process in the care of persons throughout the life span who are experiencing selected common health problems.

Prerequisite(s): MAT 110 or MAT 120, NUR 106

Corequisite(s): BIO 210, humanities transferable elective

Deletion:

NUR 135 FOUNDATIONS OF NURSING PRACTICE

Deletion:

NUR 155 CONTEMPORARY NURSING PRACTICE I

Corequisite and Prerequisite Change:

NUR 163 NURSING ACROSS THE LIFESPAN I (2-0-2.0)

This course is an overview of concepts related to nursing care of clients across the life span, communication; basic mental health, growth and development, and gerontology are included in the course.

Prerequisite(s): BIO 210, NUR 106, NUR 120, humanities transferrable elective

Corequisite(s): BIO 211, CPT 101, NUR 107, NUR 165

Prerequisite Change:

NUR 165 NURSING CONCEPTS AND CLINICAL PRACTICE I (4-6-6.0)

This course covers application of critical thinking skills and nursing concepts in the care of adult clients with selected health problems in a variety of settings.

Prerequisite(s): BIO 210, NUR 106, NUR 107, NUR 120, NUR 163, humanities transferrable elective

Corequisite(s): BIO 211, CPT 101

Change:

NUR 214 MENTAL HEALTH NURSING (2-6-4.0)

This course facilitates the utilization of the nursing process to assist in meeting the needs of patients with common mental health problems. Focus is on the dynamics of human behavior ranging from normal to extreme.

Prerequisite(s): BIO 210, BIO 211, BIO 225, CPT 101, ENG 101, ENG 102, NUR 106, NUR 107, NUR 163, NUR 165, NUR 230, NUR 263, NUR 264, humanities transferrable elective

Corequisite(s): NUR 270

Addition:

NUR 230 PHYSICAL ASSESSMENTS (2-3-3.0)

This course facilitates the development of competence to perform a physical assessment.

Prerequisite(s): BIO 210, BIO 211, CPT 101, ENG 101, NUR 106, NUR 107, NUR 120, NUR 163, NUR 165, NUR 214, NUR 263, NUR 264, PSY 201, humanities transferable elective

Corequisite(s): BIO 225, ENG 102, NUR 270

Change:

NUR 263 NURSING ACROSS LIFE SPAN II (2-6-4.0)

This course is a study of basic concepts utilizing the nursing process and critical thinking skills in the care of women, child-bearing families, children and adolescents with acute and chronic health problems. The course includes the study of complex aspects of care, growth and development.

Prerequisite(s): BIO 210, BIO 211, NUR 106, NUR 107, NUR 120, NUR 163, NUR 165

Corequisite(s): ENG 101, PSY 201

Change:

NUR 264 NURSING ACROSS LIFE SPAN III (2-6-4.0)

This course is a study of the advanced concepts utilizing the nursing process and critical thinking skills in the care of high-risk women, child-bearing families, children and adolescents with acute and chronic health problems. This course includes the study of complex aspects of care, growth and development. Prerequisite(s): BIO 210, BIO 211, CPT 101, ENG 101, NUR 106, NUR 107, NUR 120, NUR 163, NUR 165, NUR 263, PSY 201, humanities transferrable elective
Corequisite(s): BIO 225, ENG 102, NUR 230

Change:

NUR 265 NURSING CONCEPTS AND CLINICAL PRACTICE II (4-6-6.0)

This course is a continuation of the application of critical thinking skills and nursing concepts in the care of adult clients with selected health problems in a variety of settings. Prerequisite(s): BIO 210, BIO 211, NUR 106, NUR 107, NUR 120, NUR 163, NUR 165, NUR 214, NUR 230, NUR 263, NUR 264, NUR 270, humanities transferrable elective, CPT 101, ENG 102

Deletion:

NUR 266 NURSING CONCEPTS AND CLINICAL PRACTICE III

Change:

NUR 270 PRINCIPLES OF MANAGEMENT AND LEADERSHIP (0-3-1.0)

This course focuses on concepts and competencies related to role development, leadership, and management skills, legal and ethical issues, and professional values and behaviors of the registered nurse. Prerequisite(s): BIO 210, BIO 211, BIO 225, ENG 101, humanities transferrable electives, CPT 101, ENG 102, NUR 106, NUR 107, NUR 120, NUR 163, NUR 165, NUR 230, NUR 263, NUR 264, PSY 201
Corequisite(s): NUR 214

Change:

RES 277 ADVANCED CLINICAL APPLICATIONS II (0-15-5.0)

This course provides practice of advanced patient care procedures. Prerequisite(s): Successful completion of earlier program requirements.

Notes



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