College Credit Programs of Study

The Associate in Arts Degree

University Parallel

The College offers a two-year program leading to the Associate in Arts (AA) degree. Usually referred to as the University Parallel, or Transfer, Program, it is designed for students who plan to complete their first two years of college work at Florida Junior College at Jacksonville and then transfer as juniors to senior institutions of their choice.

The specific programs of study of a given major should be worked out individually between the student and the counselor soon after the student enrolls at Florida Junior College at Jacksonville. Earned credits in a University Parallel study are transferrable to senior institutions and applicable toward a Bachelor's degree.

In planning a program at Florida Junior College at Jacksonville, the student should be certain to meet the General Education Requirements for the Associate in Arts degree and complete a program of at least 62 semester hours comprised of courses designated as either college parallel (P) or dual purpose (D). (Occupational courses do not count toward an Associate in Arts degree.) Also, the Associate in Arts degree cannot include more than four one-semester hour courses in physical education and four one-semester hour courses from music, speech and drama activity courses as described under Conditions (1) and (2) on page 43.

Within these 62 semester hours the student should be certain to fulfill the pre-major course requirements for the major which the student intends to take at the university the student plans to attend.

Any student transferring to a senior institution from Florida Junior College at Jacksonville is advised to write the registrar of that university for information concerning special course requirements that should be met while attending Florida Junior College at Jacksonville. These requirements vary from university to university; thus, specific programs of study for a given major at a given university should be worked out individually by the student and an advisor or counselor soon after the student enrolls at the College. To maximize transferability, the student is advised to choose a major as early as possible while at Florida Junior College at Jacksonville.

Any student transferring with the Associate in Arts degree is guaranteed the transferability of credits earned toward that degree and junior-level standing by the State Articulation Agreement (SBE Rule 6A-10.24, FAC). A student transferring prior to receipt of the AA degree is not assured of such status. A student transferring prior to receipt of the AA

degree may not receive acceptance of credits earned in courses with less than a "C" grade.

The counselors in the office of Student Development on each campus have counseling manuals provided by each state university in Florida, which list courses to be taken at the junior college for each undergraduate major the university offers. Using these manuals, as well as catalogs from the universities, the counselor or advisor will work out a program of study at Florida Junior College at Jacksonville for the student. The student has the responsibility for making contact with a counselor or advisor in the office of Student Development to work out the student's program of study at FJC.

A University Parallel program of study can be designed in the Associate in Arts degree to prepare for an upper-division university major in a variety of fields. A partial list is as follows:

Accounting Advertising AgricultureAnthropology Architecture Art/Art Education Business General/Administration Chemistry Computer and Information Science Criminal Justice Drafting Drama/Theatre Arts **Economics** Education Engineering English/Literature Foreign Languages Forestry Geography Health Education/Recreation HistoryInternational Studies Marine Science Mass Communications/Journalism Mathematics/Statistics Music/Music Education Natural Sciences Philosophy Physical Education **Physics** Political Science Psychology Public Administration Religion Social Sciences Sociology Speech Communication

The foundation courses are available, through the Associate in Arts degree, for advanced degree programs in the following fields:

Dentistry
Law
Medical Science
Optometry
Pharmacy
Veterinary Medicine

Graduation Requirements

In order to be awarded the Associate in Arts degree, the student must have met the following requirements:

- 1. Earned a Florida Junior College at Jacksonville cumulative grade point average of 2.00 (C) on courses which comprise the Associate in Arts degree program.
- 2. Earned an all-college cumulative grade point average of 2.00 (C) on courses, including transferred credits, which comprise the Associate in Arts degree program.
- 3. Completed in residence at Florida Junior College at Jacksonville at least 15 semester hours of the total of 62 semester hours required for the degree.
- 4. Completed 62 semester hours of college credit work as follows:
 - a. Complete the General Education Requirements (36 semester hours) set forth on pages 41 through 43 of this catalog. The Dean of General Studies may, when appropriate, approve a course not listed under the General Education Requirements of the Associate in Arts degree to count towards that requirement.
 - b. Complete the elective requirements (26 semester hours) set forth on page 43 of this catalog.
- 5. Completed requirements of the College-Level Academic Skills Test (CLAST), a college-level communication and computation skills test

required by the State (refer to Testing Services section for details), including satisfactory scores as specified by the State Board of Education and the District Board of Trustees.

Before a student may graduate, the student must have fulfilled all financial obligations to the College.

Note: Students are cautioned to pay particular attention to the following:

- a. A student's graduation date will be the date at the end of the college term in which the student completes the academic requirements for the degree or certificate for which the student is an applicant. (The removal of an incomplete grade does not affect a student's graduation date, since the grade change is effective as of the end of the term in which the incomplete grade was assigned rather than the term in which the incomplete work was made up.)
- b. If a student expects to complete the course work under the terms of the catalog in effect during the term of the student's first registration, the student must graduate within four (4) years after the year of first registration in a college credit program. Accordingly, a student who enters under this catalog must graduate by the end of the Summer Term 1989, or the student will be expected to meet the requirements of subsequent years. Changes to requirements as may be mandated by law or by rule of the District Board of Trustees may supercede this provision.
- c. Refer to the conditions on page 43 of this catalog concerning acceptable credits to meet degree requirements.
- d. Some of the courses listed in the options for the General Education Requirements are intended for students majoring or specializing in the discipline. Students are advised to review the course descriptions.
- e. Many courses in this catalog have prerequisite requirements and/or prerequisite courses listed in the course descriptions. Students are advised to be guided by these requirements.



General Education Requirements

General Education, as conceived at Florida Junior College at Jacksonville, is concerned with developing responsible citizenship in a democratic society. The General Education core is formulated to develop skills, attitudes, and understanding in broad discipline areas: the social sciences, humanities, natural sciences, mathematics, and communications.

- 1. The General Education core for the Associate in Arts degree consists of a minimum of 36 semester hours of course work. These 36 semester hours are part of the minimum of 62 semester hours required for the Associate in Arts degree.
- 2. The following subject areas shall be included in the program in the manner specified:

I. SOCIAL SCIENCE.... 6 semester hours

The social science courses lead to an understanding and appreciation of our cultural heritage, whether ancient or modern. Eastern or Western, humanistic or technological. These courses of study seek to appreciate the values of civilization in its many parts. The courses in social sciences enable students to develop their creative and analytical powers and encourage flexible thinking necessary to live in a world of continuing change.

A. Three semester hours from any of the following:

AMH 2010 - UNITED STATES HISTORY I

EUH 1001 – WESTERN CIVILIZATION POS 2041 – AMERICAN FEDERAL GOVERNMENT

SSI 1120 - ORIGINS OF AMERICAN SOCIETY II

B. Three semester hours from any of the following:

AMH 2020 – UNITED STATES HIS-TORY II

AMH 2420 – HISTORY OF FLORIDA AMH 2571 – AFRO-AMERICAN HIS-TORY AND CULTURE I

AMH 2572 - AFRO-AMERICAN HIS-TORY AND CULTURE II

 $\begin{array}{c} {\rm ANT\,2410-CULTURAL\,ANTHROPOL-}\\ {\rm OGY} \end{array}$

ANT 2511 -- PHYSICAL ANTHROPOL-OGY

ASH 2005 – HISTORY OF THE FAR EAST

CPO 2002 – INTRODUCTION TO COM-PARATIVE GOVERNMENT

DEP 2004 - HUMAN GROWTH AND DEVELOPMENT

DEP 2102 - CHILD PSYCHOLOGY DEP 2302 - ADOLESCENT PSYCHOL-OGY DEP 2401 – ADULT PSYCHOLOGY ECO 2000 – FOUNDATIONS OF THE AMERICAN ECONOMY

ECO 2013 - PRINCIPLES OF ECO-NOMICS I

ECO 2023 – PRINCIPLES OF ECO-NOMICS II

EDP 2002 - EDUCATIONAL PSY-CHOLOGY

EUH 1000 – WESTERN CIVILIZATION GEA 1000 – WORLD GEOGRAPHY

GEO 2370 – CONSERVATION OF RESOURCES

HES 1000 – PERSONAL AND COMMUNITY HEALTH

HIS 1907 – HONORS SURVEY OF HISTORY

INR 2002 – INTERNATIONAL RELA-TIONS

LAH 2000 – HISTORY OF THE AMERI-CAS

POS 2112 – STATE AND LOCAL GOV-ERNMENT

PSY 1012 - GENERAL PSYCHOLOGY

SOP 1002 – HUMAN RELATIONS

SOP 1502 – DYNAMICS OF BEHAVIOR SSI 1110 – ORIGINS OF AMERICAN SOCIETY I

SYG 2000 – INTRODUCTORY SOCIOL-OGY

SYG 2010 - SOCIAL PROBLEMS

SYG 2430 - MARRIAGE AND FAMILY

II. HUMANITIES 6 semester hours

Humanities courses form a core of interrelated studies designed to help individuals make informed aesthetic and ethical judgments about creative contributions of diverse world cultures and to assure reading and writing competencies essential for an educated person in an increasingly specialized society. The courses are intended to provide individuals a contact with a breadth of ideas beyond the narrow confines of specialized training.

A. Six semester hours from the following courses will satisfy humanities requirements. The courses are broad in nature, enabling individuals to explore connections and relationships among various humanities disciplines and to provide a general overview for other humanities courses listed in Category B.

HUM 2211 - HUMANITIES: THE FOUNDATIONS

HUM 2231 – HUMANITIES: RENAIS-SANCE TO THE ROMANTIC PER-IOD or HUM 2478 – NORTHERN EUROPEAN HUMANITIES

HUM 2250 – HUMANITIES: THE MODERN WORLD

HUM 2410 – HUMANITIES IN ASIA HUM 2450 – HUMANITIES IN THE AMERICAS

OR

B. Three semester hours from the foregoing Category A and three semester hours from any of the following courses in this category which provide individuals contact with more specific topics of study in the humanities. However, like courses in Category A, these are broad rather than narrow in scope.

ARH 1000 - ART APPRECIATION

ARH 2050 - ART HISTORY 1

ARH 2051 - ART HISTORY II

FIL 1505 - THE MOVIES AS ART

HUM 2472 - INTERCULTURAL EXPLORATIONS

HUMA 1740 – OVERSEAS HUMANI-TIES I

LIT 2100 – GREAT IDEAS IN WORLD LITERATURE

MUH 2211 – SURVEY OF MUSIC HISTORY

MUL 1011 - MUSIC APPRECIATION PHI 2010 - INTRODUCTION TO PHI-LOSOPHY

PHI 2600 – INTRODUCTION TO MORAL AND POLITICAL PHILOSO-PHY

REL 2300 – WORLD RELIGIONS THE 1000 – INTRODUCTION TO THE-ATRE

III. NATURAL SCIENCE . 6 semester hours

The natural science courses are intended to provide a basic knowledge of biological and physical science by offering students the opportunity to become acquainted with the basic concepts, language, and problemsolving skills necessary to scientific inquiry. The courses provide a fundamental basis for the developing relationship between the natural science and the other academic disciplines necessary for universal understanding and survival.

A minimum of six semester hours from the courses listed below:

*BIOLOGICAL SCIENCE

APB 1150 – LIFE IN ITS BIOLOGICAL ENVIRONMENT

APB 2190C – HUMAN ANATOMY AND PHYSIOLOGY I

APB 2191C – HUMAN ANATOMY AND PHYSIOLOGY II

BOT 1010C - BOTANY

BSC 1011C - PRINCIPLES OF BIOLOGY

ISC 1000 - UNIFIED SCIENCE MCB 2013C - MICROBIOLOGY PCB 2030 - ECOLOGICAL CRISES ZOO 1010C - GENERAL ZOOLOGY ZOO 2713C - COMPARATIVE ANAT-OMY

*PHYSICAL SCIENCE:

AST 1002 - INTRODUCTION TO ASTRONOMY

CHM 1020 - CHEMISTRY FOR LIB-ERAL ARTS

CHM 1040C - INTRODUCTORY CHEMISTRY I

CHM 1041C - INTRODUCTORY CHEMISTRY II

CHM 1045C – GENERAL CHEMISTRY AND QUALITATIVE ANALYSIS I

CHM 1046C – GENERAL CHEMISTRY AND QUALITATIVE ANALYSIS II

GLY 1000 – EARTH AND SPACE SCIENCE

GLY 1010 - PHYSICAL GEOLOGY

GLY 1100 - HISTORICAL GEOLOGY

ISC 1000 - UNIFIED SCIENCE

MET 1001 - METEOROLOGY

PHY 1020 - PHYSICS FOR LIBERAL ARTS

PHY 2048C - PHYSICS I WITH CALCU-LUS

PHY 2049C - PHYSICS II WITH CAL-CULUS

PHY 2053C - GENERAL PHYSICS I PHY 2054C - GENERAL PHYSICS II PSC 1341 - PHYSICAL SCIENCE

*The letter "C" following the course number in the list of Natural Science courses distinguishes courses with a laboratory component

IV. MATHEMATICS 6 semester hours

The mathematics courses offered are designed to meet the needs of students who are planning to extend their knowledge in mathematics and science as well as those who are planning to seek advanced education in the humanities, social sciences or business. These courses also provide three options for students to achieve the basic competencies as defined by the State of Florida.

A minimum of six semester hours from one of the following three pairs of courses is required of all students:

MAT 1033 – INTERMEDIATE ALGEBRA MGF 1204 – COLLEGE MATHEMATICS

OR

MAC 1104 – COLLEGE ALGEBRA MGF 1204 – COLLEGE MATHEMATICS MAC 1104 – COLLEGE ALGEBRA STA 1014 – ELEMENTARY STATISTICS

V. COMMUNICATIONS... 9 semester hours

The communications courses are intended to enable students to achieve the basic competencies as defined by the State of Florida necessary for speaking, listening, and writing in an organized and critical manner at the college level.

A. Both of the following three semester hour courses are required of all students:

ENC 1101 – ENGLISH COMPOSITION

SPC 1010 - FUNDAMENTALS OF SPEECH COMMUNICATION

B. The following three semester hour course is required of all students:
 ENC 1102 - ENGLISH COMPOSITION

VI. ADDITIONAL HOURS

The College recognizes individual needs and desires to maintain physical and mental health and therefore encourages the student to consider activity/leisure courses to fulfill Area VI.

If certain educational programs require additional credit(s) from Area I-V, excess hours from these areas can also fulfill Area VI. Additional hours may include excess hours from the above four areas and/or up to three one-hour physical education activity courses (DAA, PEL, PEM).

TOTAL: 62 SEMESTER HOURS

* * *

The 26 semester hours of elective credit required in Area VII may be selected from among the courses listed in the catalog with the following designations, subject to conditions listed below:

- (P) University Parallel . . . Any course identified by this symbol is intended to transfer to a university.
- (D) Dual Purpose ... Any course identified by this symbol is an occupational education course, eligible for transfer to a university under certain conditions hence the course may serve both university parallel and occupational purposes.

Conditions:

- (1) Not more than four of the 26 semester hours for electives may consist of one-semester hour physical education activity courses less any used in Area VI.
- (2) Not more than four of the 26 semester hours may consist of music, speech, and drama activity courses. These courses are: MUO 1001, MUN 1130, MUN 1280, MUN 1340, MUN 1380, MUN 1410, MUN 1450, MUN 1710, MUNA 1310, MUNB 1310, SPC 2594, THE 2925.
- (3) Not more than 48 semester hours of credit earned in courses offered via television may be applied towards the Associate in Arts degree.



The Associate in Science Degree

General Education and a Career

Florida Junior College at Jacksonville offers a comprehensive series of business, health, engineering and industrial related, home economics, distributive, public service, and other programs designed to fulfill the occupational needs of the community's citizens and employers.

The Occupational Education Programs are designed to prepare the student who, at the completion of a program of study listed in this section of the catalog, is planning to enter a chosen career at the semi-professional level. The program may also transfer to a senior institution offering the baccalaureate degree in a related technology area, based on the articulation agreement with the senior institutions.

A student who intends to transfer to a State university upper division upon receipt of the Associate in Science degree must complete requirements of the College-Level Academic Skills Test (CLAST), a college-level communication and computation skills test required by the State (refer to Testing Services section for details). The requirements include satisfactory scores on the CLAST as specified by the State Board of Education and the District Board of Trustees. The student transferring with the AS degree to a baccalaureate institution is advised to have earned a "C" grade on all courses taken and which are to be applied toward junior level status.

Advisory committees help Florida Junior College at Jacksonville create programs and courses to prepare today's youth and adults for the world of work. The advisory committees are made up of civic-minded representatives of business, industry, government, health agencies, public service, and labor.

Individuals who seek to pursue a career at the technician or at the para-professional level may enroll in a two-year college credit program leading to the Associate in Science (AS) degree. For those persons desiring to spend less than two years in preparation, college credit Technical Certificate programs are available in several areas.

The program director, with the approval of the Dean of Instruction, may prescribe deficiency courses which are necessary for successful completion of the Associate in Science degree. If the student is a veteran, a copy of the director's recommendation must be on file and the course or courses certified as deficiency to the Veterans Administration.

The program director, with the approval of the Dean of Instruction, may approve another elective or professional course not listed as an approved elective in the Associate in Science degree curriculum which will apply toward Associate in Science degree graduation. If the student is a veteran, it is necessary that

such course substitution be obtained from the State approving agency prior to the student's enrollment in the course being substituted. A record of the approval will be maintained in the veteran's file.

Graduation Requirements

In order to be awarded the Associate in Science degree, the student must have met the following requirements:

- Earned a Florida Junior College at Jacksonville cumulative grade point average of 2.00 (C) on all courses attempted.
- 2. Earned an all-college cumulative grade point average of 2.00 (C) on all courses attempted, including transferred credits.
- 3. Completed in residence at Florida Junior College at Jacksonville at least 15 semester hours of the required program.
- 4. Completed the General Education Requirements and required courses as set forth in the college catalog or as approved by the Dean of Instruction. The health education programs of study may require a "C" grade or better in professional courses. A minimum of 60 semester hours is required for this degree, of which at least 15 semester hours must be in General Education.

Before a student may graduate, the student must have fulfilled all financial obligations to the College.

NOTE: Students are cautioned to pay particular attention to the following:

- a. A student's graduation date will be the date at the end of the college term in which the student completes the academic requirements for the degree or certificate for which the student is an applicant. (The removal of an incomplete grade does not affect a student's graduation date, since the grade change is effective as of the end of the term in which the incomplete grade was assigned rather than the term in which the incomplete work was made up.)
- b. If a student expects to complete the course work under the terms of the catalog in effect during the term of the student's first registration, the student must graduate within four (4) years after the year of first registration in a college credit program. Accordingly, a student who enters under this catalog must graduate by the end of the Summer Term 1989, or the student will be expected to meet the requirements of subsequent years. Changes to requirements as may be mandated by law or by rule of the District Board of Trustees may supercede this provision.

- c. Not more than 24 semester hours of credit earned in courses offered via television may be applied towards the Associate in Science degree.
- d. General Education requirements are to be taken in sequence according to the particular program of study, but the course work may be taken on any Florida Junior College at Jacksonville campus.
- e. Many courses in this catalog have prerequisite requirements and/or prerequisite courses listed in the course descriptions. Students are advised to be guided by these requirements.

General Education Requirements

- 1. A minimum of fifteen semester hours of General Education is required for all Associate in Science degree programs of study.
- 2. The following subject areas shall be included in each program in the manner specified hereafter:
 - I. SOCIAL SCIENCE.... 3 semester hours

Any one of the following 3 semester hour courses:

AMH 2010 - UNITED STATES HIS-TORY I

EUH 1001 – WESTERN CIVILIZATION POS 2041 – AMERICAN FEDERAL GOVERNMENT

SSI 1120 - ORIGINS OF AMERICAN SOCIETY II

II. HUMANITIES 3 semester hours

Any course(s) listed under Area II (Humanities) for Associate in Arts degree.

III. MATHEMATICS - NATURAL SCIENCE..... 3 semester hours

Any course listed under Area III Natural Science for the Associate in Arts degree or any course listed below — OR as specified in individual Associate in Science degree programs:

CNM 1001 - Computer Oriented Mathematics

MAC 1104 – College Algebra

MAC 1114 - College Trigonometry

MAC 1311 - Calculus with Analytic Geometry I

MAC 2312 - Calculus with Analytic Geometry II

MAC 2313 - Calculus with Analytic Geometry III

MAP 2302 - Differential Equations

MAT 1033 – Intermediate Algebra

MGF 1204 - College Mathematics

STA 1014 - Elementary Statistics

IV. COMMUNICATIONS...3 semester hours

The following three semester hour course is required of all Associate in Science degree students:

ENC 1101 – ENGLISH COMPOSITION I

V. THE REMAINING GENERAL EDUCA-TION REQUIREMENT may be selected from courses listed in any one of the five categories under requirements for Associate in Arts degree or as specified in individual Associate in Science degree programs.

A minimum of 60 semester hours is required for the Associate in Science degree. Some programs require more. Lists of additional courses required are set forth in individual Associate in Science degree programs. The total credit hours listed for each individual program are minimum hours required for program completion.

The Associate in Applied Science Degree

General Education and an Occupation

The objective of the Associate in Applied Science (AAS) degree is to provide a more comprehensive and higher level of training in engineering and industrial

related fields than can be offered by the non-college credit occupational preparatory programs of study.

The General Education Requirements and the Graduation Requirements for the Associate in Applied Science degree are the same as those for Associate in Science degree.



College Credit Technical Certificate

Preparation for Specialized Employment

Florida Junior College at Jacksonville provides a number of educational programs of less than two years duration for which Technical Certificates are awarded upon satisfactory program completion.

Graduation Requirements

In order to be awarded a college credit Technical Certificate, the student must have met the following requirements:

- 1. Earned a Florida Junior College at Jacksonville grade point average of 2.00 (C) on all courses attempted.
- Completed the required courses as set forth in the College catalog or as approved by the Dean of Instruction.
- 3. Completed at least one-fourth of the total hours required for a certificate in residence at Florida Junior College at Jacksonville.

Before a student may graduate, the student must have fulfilled all financial obligations to the College.

NOTE: Students are cautioned to pay particular attention to the following:

- a. A student's graduation date will be the date at the end of the college term in which the student completes the academic requirements for the degree or certificate for which the student is an applicant. (The removal of an incomplete grade does not affect a student's graduation date, since the grade change is effective as of the end of the term in which the incomplete grade was assigned rather than the term in which the incomplete work was made up.)
- b. If a student expects to complete the course work under the terms of the catalog in effect during the term of the student's first registration, the student must graduate within four (4) years after the year of first registration in a college credit program. Accordingly, a student who enters under this catalog must graduate by the end of the Summer Term 1989, or the student will be expected to meet the requirements of subsequent years. Changes to requirements as may be mandated by law or by rule of the District Board of Trustees may supercede this provision.



ASSOCIATE IN SCIENCE DEGREE

Special Areas of Study In:	Fred H. Kent	North Campus A.	South Campus (S.	Downtown Campus own
BUSINESS Accounting	IV.C	NC	GO.	
Data Processing	KC	NC NC	SC	
*Computer Operations *Computer Programming		NC NC		
General Business	KC	NC	SC	DC
Secretarial Science	KC	NC	SC	DC
*Clerical *Stenography	KC KC	NC NC	SC SC	DC DC
Word Processing	KC	NC		DC
*Word Processing				DČ
DISTRIBUTIVE				
Banking	KC			
Hospitality Management Insurance	KC KC			
Real Estate	KC			
Sales-Marketing-Retailing	KC	NC	SC	DC
Transportation	KC			
ENGINEERING and INDUSTRIAL RELATED				
Air Traffic Management	KC			DC
Architectural Engineering Technology *Architectural Engineering Technology				DČ
Civil Engineering Technology				DC
*Civil Engineering				DC DC
Drafting and Design Technology *Drafting				DC
Electronic Engineering				DC
Technology				DC
*Electronic Engineering Technology #Biomedical Specialty				DC DC
#Communications Specialty				DC
#Digital Specialty				DC
#Robotics Specialty #X-Ray Specialty				DC DC
Mechanical Engineering	•			DC
Technology				DC
*Mechanical Engineering Printing/Graphic Arts		NC		DC
Television Production		110		DC
HEALTH				
Dental Assisting		NC		
*Dental Assisting		NC		
Dental Hygiene Emergency Medical Technology		NC NC		
*Emergency Medical Technology		NC		
Medical Laboratory		NO		
Technology Nursing		NC NC		
Nursing **Bridge Option for Licensed		110		
Practical Nurses		NC		
Radiologic Technology Respiratory Therapy		NC NC		

^{*}College Credit Technical Certificate for completion of specialized courses of study. **AS degree option. #Specialty Tracks

ASSOCIATE IN SCIENCE DEGREE

Special Areas of Study In:	Pred H. Kent Campus (Kent	North Campus (NC)	South Campus (SC)	Downtown Campus (DC)
HOME ECONOMICS Child Care Services *Child Care Services *Infant and Toddler Services *Residential Child Care Services Fashion Merchandising Food Service Technology **Dietetic Technician *Food Service Technology Interior Design Technology *Home Furnishings Design and Management *Revitalization of Homes and Businesses	KC KC KC KC KC KC	NC NC NC NC		
PUBLIC SERVICE Criminal Justice Education-Corrections Criminal Justice Education-Law Enforcement *Law Enforcement Fire Science and Prevention *Fire Science and Prevention			SC SC SC SC SC	

ASSOCIATE IN APPLIED SCIENCE DEGREE

Special Areas of Study In:

ENGINEERING & INDUSTRIAL RELATED Automotive/Light Truck Technology *Automotive/Light Truck Technology #Vehicle Mechanics Specialty #Vehicle Body Specialty #Vehicle Machinist Specialty	DC DC DC DC DC
#Vehicle Mechanics Specialty #Vehicle Body Specialty #Vehicle Machinist Specialty Building Construction Technology *Building Construction Technology *Carpentry Specialty #Masonry Specialty #Plumbing Specialty #Plumbing Specialty *Electrical/Electronics Technology *Electrical Electronics Technology #Air Conditioning and Appliance Specialty #Industrial Electronics Specialty #Industrial Electronics Specialty #Industrial Electronics Specialty #Industrial Electronics Specialty	DC
Metal Trades Technology *Metal Trades Technology #Industrial Machinist Specialty #Sheet Metal Specialty #Welding Specialty	DC DC DC DC DC

^{*}College Credit Technical Certificate for completion of specialized courses of study.
**AS degree option.

(A notation in the right hand columns of the above chart indicates the campus on which a program is available.)

[#]Specialty tracks available in AAS degree and technical certificates.

Program Areas

The Associate in Science Degree and Technical Certificate

The objective of the Associate in Science (AS) Degree is to provide a two-year study in a specialized field leading directly into skilled employment without further college work. Students who later decide to go on to a four-year degree may do so by satisfying certain requirements.

The objective of the Technical Certificate is to provide basic professional courses to meet the minimum requirements of a particular occupation. Students who later decide to pursue the Associate in Science degree may do so by satisfying certain course requirements in general education and the occupational area.

Programs of Study

Business Education

Associate in Science

Accounting

The Accounting Program is primarily designed for those students who intend to seek immediate employment in some area of accounting. The program is also intended for, and most beneficial to, those individuals who are presently using accounting and/or accounting information in their employment. The aim of the AS Accounting Program is to prepare students for positions in industry; federal, state, and local government; and public accounting. The professional certified public accountant candidate should follow the Associate in Arts degree for the Business Administration program of studies.

The Accounting Program is based upon the development of a thorough knowledge of accounting principles and theory, and then seeks to develop the student's ability to apply this knowledge to problem situations. An intensive study of accounting and related business subjects is combined with general education courses to provide a well-balanced program.

The program director, with the approval of the Occupational Education Dean, may require additional courses or make substitutions required to meet the needs of students.

Contact Person: Dean, Occupational Education,

Kent Campus
Telephone (904) 387-8383
Dean, Occupational Education,
North Campus
Telephone (904) 757-6496
Director, Occupation Education
Programs, South Campus
Telephone (904) 646-2210
Director, Business Education,
Downtown Campus
Telephone (904) 633-8317

Sequence	Course Number and Title	Credits
General Educ	eation	
	– Natural Science	3
ECO 2013 ENC 1101	Principles of Economics I English Composition I	3
	CI	redit hours 15
Professional	and Other Required Courses	
ACG 2001 ACG 2011 ACG 2110 ACG 2110 **ACG 2360 **ACG 2500 QMB 1001 SES 2335 **TAX 2000 ***Approved I	Principles of Accounting I Principles of Accounting II Intermediate Accounting I Intermediate Accounting II Cost Accounting Fund Accounting Fund Accounting Business Mathematics Business Communications Individual Taxes	3 3 3 3 3 3 3 3 3
		redit hours 45
	Ci	reunt nours 40
		-
		redit hours 60
	Total cr see General Education Requirem quired to take any two of the thr	redit hours 60
**Students are rea	Total computer to take any two of the threshold to take any two of the tak	redit hours 60 ents ee courses. credit hour 3 3 3 3 3 1 1
Students are rec *Approved ACG 2360 ACG 2500 BUL 2111 BUL 2112 COC 2001 COE 1000	Total cores General Education Requiremented to take any two of the three Electives: Cost Accounting Fund Accounting Business Law Business Law Computer Concepts. Cooperative Education Semin Cooperative Education Work	redit hours 60 ents eee courses. credit hour

Associate in Science

Data Processing

The Associate in Science Degree is a two-year course of study to prepare students for a variety of positions in data processing. The following are some of the job titles: (a) program coders, (b) control analysts, (c) junior programmers, and (d) programmeranalyst trainees.

Graduates with the AS degree may be able to continue studies in Information Systems Technology in a senior institution.

Students who desire to major in Computer Science are advised to elect the AA Degree which should include the Calculus sequence as part of the program requirements.

Full-time students wishing to complete the above program must be enrolled in two Data Processing courses as part of their course load during the Fall and Winter Terms (I and II). However, these courses are not to be taken in the order as listed hereafter.

The program director, with the approval of the Occupational Education Dean, may require additional courses or make substitutions required to meet the needs of students.

Contact Person: Director, Instructional Data Processing, North Campus Telephone (904) 757-6263

Recommended	C No. 1	
Course Sequence	Course Number and Title	Credits
General Educ	ation	
*Humanities . *Social Science ENC 1101	Science English Composition I	3 3 3
	C	eredit hours 18
Professional a	and Other Required Courses	i
**ACG 2001 CIS 2100	Principles of Accounting I Data Management and Utility Programs	ty
CIS 2301 CNM 1005 COC 1300 COP 1000	Information Systems Data Processing Mathematic Introductory Computer Conc Introduction to Programming Algorithm Design	3 s3 epts3 g and
COP 2120 COP 2610	Basic COBOL Programming Advanced Computing and Pr Systems	
	Introduction to Business Principles of Management Beginning Typewriting I Business Communications g Elective g or General Business Elective	
	•	credit hours 42
	Total o	credit hours 60
ACG 1003 and A will increase the to *Students with t Processing or Gene ****Prefer MAC 1	see General Education Requirer CG 1004 may be used in place of tall hours in program. Souch typing skills may elect to eral Business Elective course for 104 College Algebra or above. See from the Area (III) AA Degristing.	of ACG 2001. This substitute a Data or SES 1100.
Data Process	ing Electives:	credit hours
COP 1160 COP 2400 COP 2110 COP 2121 COP 2130 COP 2170 CRM 1039	RPG Programming Basic Assembly Language Programming FORTRAN Programming Advanced COBOL Programm PL/1 Programming Programming in BASIC Data Processing Workshop	33 ning33
General Busin	ness Electives:	
ACG 2011 ADV 2000 BUL 2111 BUL 2112 ECO 2013 FIN 2000 FIN 2100 MAN 2300 MAN 2800 MAR 1011 RMI 1030	Principles of Accounting II. Advertising Business Law Business Law Principles of Economics I. Principles of Finance Personal Finance Personnel Management Small Business Management Principles of Marketing Principles of Insurance.	
-		

Technical Certificate

Computer Operations

The Technical Certificate in Computer Operations is a one-year program which includes experience with the operation of data processing equipment in the College's Data Center and the Data Processing instructional laboratory. Field trips enable students to be exposed to a greater variety of equipment, operating systems, and computer applications.

A limited number of laboratory assistantships is available for students to gain valuable experience with the operation of the IBM Computer System and the Prime 400 minicomputer system.

Full-time students wishing to complete the above program must be enrolled in two Data Processing courses as part of their course load during the Fall and Winter Terms (I and II). However, these courses are not to be taken in the order as listed hereafter.

Contact Person: Director, Instructional Data Processing, North Campus Telephone (904) 757-6263

lecommended lourse equence	Course Number and Title	Credits
General Educ	ation	
ENC 1101	English Composition I	3
	cre	edit hours 3
Professional s	and Other Required Courses	
*ACG 2001 CIS 2100 CIS 2301 CNM 1005 COC 1300 ***CRM 1039 GEB 1011 MAN 2021 **SES 1100 SES 2335	Principles of Accounting I Data Management and Utility Programs Information Systems Data Processing Mathematics. Introductory Computer Concept Data Processing Workshop Introduction to Business Principles of Management Beginning Typewriting I Business Communications	
	Total cre	dit hours 33
*Students with to rocessing or Gene	G 1004 may be used in place of A uch typing skills may elect to sui ral Business Elective course for \$ 1039, verifiable data processing 6	bst itute a D at a SES 1100.

be approved by the appropriate dean.

Technical Certificate

Computer Programming

The Technical Certificate in Computer Programming is an abbreviated program recommended for those students with previous college-level course work and/or business experience. It is a one-year course of study for those who wish to be gainfully employed as junior programmers or programmeranalyst trainees.

Students interested in a computer programming career are urged to take the programmer's aptitude test available through the Student Development Office on the North Campus.

Full-time students wishing to complete the above program must be enrolled in two Data Processing courses as part of their course load during the Fall and Winter Terms (I and II). However, these courses are not to be taken in the order as listed hereafter.

Contact Person: Director, Instructional Data Processing, North Campus Telephone (904) 757-6263

Recommended		
Course	Course Number	a 111
Sequence	and Title	Credits
Professional a	nd Other Required Courses	
*ACG 2001	Principles of Accounting I	3
CIS 2100	Data Management and Utilit	У
	Programs	ن
CIS 2301	Information Systems	,,., <i>.</i> ,,.,.,
CNM 1005	Data Processing Mathematic Introductory Computer Conc	ante 3
COC 1300	Introduction to Programing	epus
COP 1000	Algorithm Design	3
COP 2120	Basic COBOL Programming	3
GEB 1011	Introduction to Business	3
**SES 1100	Beginning Typewriting I	3
SES 2335	Business Communications	,,,,,,,,,,,,,,3
Data Processin	g Elective	3
Programming	Elective	3
_		redit hours 36
	'	=
	Total	credit hours 36
Data Process	ing Electives:	credit hours
		۰
COP 1160	RPG Programming	,a
COP 2400	Basic Assembly Language Programming	3
GOD 0110	FORTRAN Programming	
COP 2110 COP 2121	Advanced COBOL Programs	
COP 2121	PL/1 Programming	
COP 2170	Programming in BASIC	3
CRM 1039	Data Processing Workshop.	
Programmin	a Flactives	
	-	•
COP 1160	RPG Programming	
COP 2400	Basic Assembly Language	9
0000110	Programming FORTRAN Programming.	
COP 2110	Advanced COBOL Program	ming 3
COP 2121 COP 2130	PL/1 Programming	
COP 2170	Programming in BASIC	3
COP 2610	Advanced Computing and	
001 2010	Programming Systems	3
**************	CG 1004 may be used in place	of ACG 2001.
**Studente mith	touch typing skills may elect to	substitute a Data
Processing or Ger	neral Business Elective course	for SES 1100.
Trocessing of der		

Associate In Science

General Business

The two-year General Business Program is designed to prepare students for advancement in a business profession. The emphasis of the course selections is on business courses, with five General Education courses required. It is important to note that this program is not intended to be a substitute for the four-year Business Administration Program.

The program director, with the approval of the Occupational Education Dean, may require additional courses or make substitutions required to meet the needs of students.

Contact Person: Dean, Occupational Education,

Kent Campus
Telephone (904) 387-8383
Dean, Occupational Education,
North Campus

Telephone (904) 757-6496 Director, Occupational Educat

Director, Occupational Education Programs, South Campus Telephone (904) 646-2210 Director, Business Education,

Downtown Campus Telephone (904) 633-8317

Recommended		
Course	Course Number	
Sequence	and Title	Credits
General Educ	cation	
*Humanities .		3
*Mathematics	- Natural Science	3
*Social Science	ė	3
ECO 2013	Principles of Economics I	3
ENC 1101	English Composition I	3
	cı	redit hours 15
Professional	and Other Required Courses	
ACG 1003, 100	04 General Accounting I and II .	3
ACG 2001	Or Principles of Assounting I	2
QMB 1001	Principles of Accounting I Business Mathematics	a
SES 2335	Business Communications	3
	lectives	33-36
TAPPIOTEG EL	ideal vee	-
	CI	redit hours 45
	Total cr	redit hours 60
*Refer to AS Degr	ee General Education Requirem	ents.
**Approved	Electives:	credit hours
ACG 2011	Principles of Accounting II	3
ADV 2000	Advertising	
BUL 2111	Business Law	3
BUL 2112	Business Law	3
COC 1300	Introductory Computer Conce	pts 3
COE 1000	Cooperative Education Semin	ar1
1949	Cooperative Education Work	
	Experience I (with program	
~ - 2949	prior consent)	3
2349	Cooperative Education Work Experience II (with program	dimentoule
	prior consent)	director s
FIN 2000	Principles of Finance	3
FIN 2100	Personal Finance	
GEB 1011	Introduction to Business	3
MAN 2021	Principles of Management	3
MAN 2300	Personnel Management	3
MAN 2800	Small Business Management	
MAR 1011	Principles of Marketing	
MAR 1101	Salesmanship	
MAR 1151 MAR 1301	Retail Merchandising	
MAR 2401	Sales Promotion	
RMI 1030	Principles of Insurance	
SES 1100	Beginning Typewriting I	
SES 1101	Beginning Typewriting II	3
SES 1110	Intermediate Typewriting	3
SES 1150	Introduction to Word Processis	ng3
SES 1324	Calculating Machines	3
SES 1171	Machine Transcription	3
SES 2151	Word Processing - Magnetic	
	Typewriting	3

Associate In Science

Secretarial Science

The two-year Secretarial Science Program is designed to fill the needs of the student who is preparing for a top level secretarial position. The program is a combination of General Education, business education, and special education to develop the skills necessary for an advanced secretarial position. Classroom experiences aid the student in successfully coping with the different phases of secretarial work; dictation and transcription, office practice, procedures, and management; and problems in typewriting at the vocational competency level.

The program director, with the approval of the Occupational Education Dean, may require additional courses or make substitutions required to meet the needs of students.

Contact Person: Dean, Occupational Education,

Kent Campus

Telephone (904) 387-8383

Dean, Occupational Education,

North Campus

Telephone (904) 757-6496

Director, Occupational Education,

South Campus

Telephone (904) 646-2210

Director, Business Education.

Downtown Campus

Telephone (904) 633-8317

Recommended Course Sequence	Course Number and Title	Credits
General Education		

*Mathematic	s – Natural Science	
	English Composition I	

Professional and Other Required Courses

+ACG 1003, 10	04 General Accounting I and II
GEB 1011	Introduction to Business 3
QMB 1001	Business Mathematics
COC 1300	Introductory Computer Concepts 3
SES 1330	Business English3
SES 1401	General Office Procedures 3
**SES 1101	Beginning Typewriting II3
**SES 1110	Intermediate Typewriting 3
**SES 1211	Intermediate Shorthand3
SES 1171	Machine Transcription
**SES 2120	Advanced Typewriting - Executive 3
**SES 2131	Advanced Typewriting - Legal 3
**SES 2132	Advanced Typewriting - Medical 3
**SES 2133	Advanced Typewriting - Technical 3
**SES 2151	Word Processing - Magnetic
	Typewriting
**SES 2212	Advanced Shorthand3
**SES 2213	Dictation and Transcription3
SES 2335	Business Communications3
SES 2402	Secretarial Practices3
	-

*Refer to AS Degree General Education Requirements.

credit hours 48

Total credit hours 63

^{**}Students will be placed at proper level in typewriting and shorthand. Students without skills required for completion of SES 1210 Beginning Shorthand, and SES 1100 Beginning Typewriting I will be required to take these courses, which may increase the hours required for graduation. The Secretarial Science two-year degree program requires nine hours in typewriting and nine hours in short-

⁺ACG 2001 may be taken in place of ACG 1003 and 1004.

***Two courses from Area I AA Degree General Education Requirements listing, one of which must be from Area IA.

Technical Certificate

Clerical

This Clerical Technical Certificate program prepares students for entry into the clerical job market. It combines training in communications, numerical skills, typewriting and office procedures to ensure employability upon completion of the program.

The program director, with the approval of the Occupational Education Dean, may require additional courses or make substitutions required to meet the needs of students.

Contact Person: Dean, Occupational Education,

Kent Campus

Telephone (904) 387-8383

Dean, Occupational Education,

North Campus

Telephone (904) 757-6496

Director, Occupational Education Programs, South Campus

Telephone (904) 646-2210 Director, Business Education,

Downtown Campus

Telephone (904) 633-8317

Recommended Course Sequence	Course Number and Title	Credits
General Edu	cation	
ENC 1101	English Composition I	3
	C	redit hours 3
Professional	and Other Required Courses	
QMB 1001 SES 1401 SES 1330	Business Mathematics General Office Procedures Business English	, 3
	Ci	redit hours 9
Students are requ	ired to take three of the following	courses:
SES 1100 SES 1101 SES 1110 SES 2110 SES 2130 SES 2131 SES 2132 SES 2133 SES 2151	Beginning Typewriting I	
	c	redit hours 9
Approved Bu	ısiness Electives – Take three curses:	of the
ACG 1003 ACG 1004 BUL 2111 GEB 1011 SES 1324 SES 1171 SES 2335	General Accounting I General Accounting II Business Law Introduction to Business Calculating Machines Machine Transcription Business Communications	3 3 3

Total credit hours 30

Technical Certificate

Stenography

This Technical Certificate program is designed for the student who is preparing to enter the job market with typing and stenographic skills. It combines training in typing, office procedures, business communications, and shorthand.

The program director, with the approval of the Occupational Education Dean, may require additional courses or make substitutions required to meet the needs of students.

Contact Person: Dean, Occupational Education,

Kent Campus

Telephone (904) 387-8383 Dean, Occupational Education,

North Campus

Telephone (904) 757-6496

Director, Occupational Education,

South Campus

Telephone (904) 646-2210

Director, Business Education,

Downtown Campus

Telephone (904) 633-8317

Recommended Course Sequence	Course Number and Title	Credits
General Educ	cation	
ENC 1101	English Composition I	3
,	cı	redit hours 3
Professional	and Other Required Courses	
QMB 1001 SES 1401 SES 1330	Business Mathematics	3
	c:	redit hours 9
Students are requ	ired to take three of the following	courses:
SES 1100 SES 1101 SES 1110 SES 2120 SES 2131 SES 2132 SES 2133 SES 2151	Beginning Typewriting I	3
Students are requ	ired to take three of the following	courses:
SES 1210 SES 1211 SES 2212 SES 2213 SES 2335	Beginning Shorthand	

Total credit hours 30

Associate In Science

Word Processing

This Associate in Science Degree Program is for the student preparing for a position in word processing and for those seeking advancement in this occupation. The program combines general education with an emphasis on language development, clerical training, and word processing training to develop those skills necessary for employment and upward mobility in this field.

The program director, with the approval of the Occupational Education Dean, may require additional courses or make substitutions required to meet the needs of students.

Contact Person: Director, Business Education, Downtown Campus Telephone (904) 633-8317

Course Sequence	Course Number and Title Credits
General Edu	cation
*Mathematics	3 - Natural Science 3 e
ENC 1101 ENC 1102	English Composition I
	credit hours 15
Students are requ	ired to take two of the following courses:
**SES 1110 SES 2120 SES 2131 SES 2132	Intermediate Typewriting
	Credit hours 6
Professional	and Other Required Courses
COC 1300 MAN 2021 QMB 1001 SES 1150 SES 1171 SES 1330 SES 1401 SES 2151 SES 2152 SES 2162 , SES 2335	Introductory Computer Concepts 3
	credit hours 36
Approved Ele Following Co	ectives – Take One of the urses:
BUL 2111 GEB 1011 MAN 2300 MAN 2800 SOP 1002	Business Law 3 Introduction to Business 3 Personnel Management 3 Small Business Management 3 Human Relations 3
	credit hours 3
	Total credit hours 60

ning Typewriting II depending on the student's ability level. Being placed in a course below SES 1110 Intermediate Typewriting will

increase the credit hours required for graduation.

Technical Certificate

Word Processing

This technical certificate program is for the student wishing to develop word processing skills for entry into the employment market or for job advancement. It combines training in typing, office procedures, communications and word processing.

The program director, with the approval of the Occupational Education Dean, may require additional courses or make substitutions required to meet the needs of students.

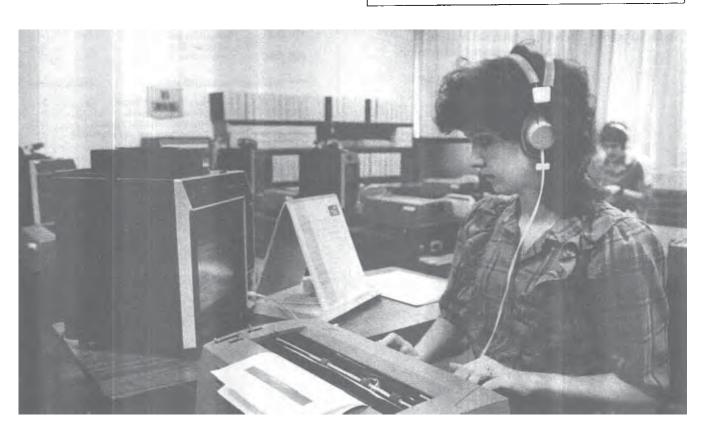
Contact Person: Director, Business Education,

Downtown Campus Telephone (904) 633-8317

Recommended Course Sequence	Course Number and Title	Credits
General Educ	ation	
ENC 1101	English Composition I	3
	•	credit hours 3
Professional :	and Other Required Courses	
*SES 1110	Intermediate Typewriting	3
SES 1150	Introduction to Word Processi	ng 3
SES 1330	Business English	
SES 1171	Machine Transcription	, , 3
SES 2151	Word Processing – Magnetic Typewriting	3
SES 2152	Word Processing – Machine	
	Transcription	3
SES 2153	Word Processing Advanced Ap	plications 3
SES 2335	Business Communications	3
	c	redit hours 24
Approved Bu Following Co	siness Electives – Take One o urses:	of the
COC 1300	Introductory Computer Conce	pts 3
QMB 1001	Business Mathematics	
SES 1401	General Office Procedures	
SES 2120	Advanced Typewriting - Exe	
SES 2131	Advanced Typewriting - Leg	
SES 2132	Advanced Typewriting — Med	lical3
		credit hours 3
		credit hours 3
	Third	redit hours 30
	Iotai	real mounts

Recommended

*Students will be placed at proper level in typewriting. Students may be placed in SES 1100 Beginning Typewriting I or SES 1101 Beginning Typewriting II depending on the student's ability level. Being placed in a course below SES 1110 Intermediate Typewriting will increase the credit hours required for graduation.



Distributive Education

Associate In Science

Banking

This two-year program is structured to provide students with both the general and specialized skills and competencies needed to embark upon a profitable and rewarding banking career. Jacksonville is a hub of financial activity, and financial institutions such as banks are looking for qualified and motivated degree students to enter their executive training programs. Opportunities in banking are especially good because of the variety of departments such as business development, public relations, installment credit, international trade development, commercial services, loans and securities.

The program is designed to serve both the younger student who recently completed high school and experienced bank employees. Besides providing college credit, the completed banking courses could count toward the American Institute of Banking certificate programs. Such an arrangement must be approved by the local AIB chapter.

Those desiring credit union education should select two specialized credit union courses, which possibly could replace bank-oriented courses.

The program director, with the approval of the Occupational Education Dean, may require additional courses or make substitutions required to meet the needs of students.

Contact Person: Director, Distributive and

Mid-Management Education,

Kent Campus

Recommended		
Course	Course Number	
Sequence	and Title	Credits
General Educ	ation	
	- Natural Science	
*Social Science		3
ECO 2013	or Humanities	
ENC 1101	English Composition I	າ
HUM 2211	Humanities: The Foundation	a 3
PSY 1012	General Psychology	3
SPC 1010	Fundamentals of Speech	
	Comunication	3
		-
	c	redit hours 24
Professional a	nd Other Required Courses	
ACG 1003	General Accounting I	3
**BAN 1110	Principles of Bank Operation	
**BAN 1700	Financing Business Enterpri	se3
BAN 2303	Savings and Time Deposits .	3
BUL 2111	Business Law	3
FIN 2000	Principles of Finance	
FIN 2230	Money and Banking	
***GEB 1011	Introduction to Business	
MAN 2021	Principles of Management.	
QMB 1001	Business Mathematics	
Approved	Electives	
	c	redit hours 36
	Total c	redit hours 60
*Refer to AS Degre	e General Education Requiren	nents.
**For AS Degree s	tudents wishing to specialize i	n Credit Unions,
approved Credit Ur 1700.	nion electives may be substitut	ed for BAN 1110,
	may be selected upon approva	l of Occupational
Education Dean. ****Approved	Credit Union Electives:	credit hours
FIN 2360	Foundation and Structure	
F114 2000	of Credit Unions	
APA 2361	Credit Union Accounting	
****Approved	Banking Electives:	credit hours
BAN 1100	The Banking Starter Series.	3
BAN 1160	Bank Letters and Reports	3
BAN 1210	Analyzing Financial Stateme	
BAN 2150	Bank Public Relations and M	larketing 3
BAN 2200	Credit Administration	
FIN 2100	Personal Finance	
BAN 2720	Bank Management	
MAN 2800	Small Business Management	3

AS Degree Option UNF Transfer

Banking

An option transfer program is available to students for admittance to the University of North Florida under a special articulation agreement. Students electing this option are accepted as third year students at UNF upon program completion. Students electing this transfer Banking program to the University of North Florida must complete the transfer program and graduation requirements.

Contact Person: Director, Distributive and

Mid-Management Education,

Kent Campus

Recommended Course Sequence	Course Number and Title	Credits
General Educ	eation	
*General Educ ECO 2013 ECO 2023 ENC 1101 ENC 1102 HUM 2211 MAC 1104 POS 2041 PSY 1012 STA 1014	Ation Electives	
	cre	dit hours 34
Professional and Other Required Courses		
ACG 2001 ACG 2011 BAN 1110 BAN 2303 BUL 2111 FIN 2000 FIN 2230 GEB 1011 MAN 2021	Principles of Accounting I Principles of Accounting II. Principles of Bank Operations. Savings and Time Deposits Business Law Principles of Finance Money and Banking Introduction to Business Principles of Management	333333
		edit hours 27 =
*Any course from listing.	AA Degree General Education R	equirements

Associate In Science

Hospitality Management

This AS program is designed to provide careeroriented students with the basic principles and job entry working skills and the training for supervisory and management positions in the hotel, motel, apartment, lodging and food service industry. The program is designed to provide the student with a foundation for building a rewarding position and satisfying career in a dynamic, growing industry.

The hotel, motel, apartment, tourism, and food service industry is the largest and fastest growing business in Florida. AS degree students with an educational background of this business are in demand.

Training includes communication and managerial skills, human relations, and leadership. Through the internship program of Hospitality Management, students gain college credit and valuable, profitable work experience. Job placement is available through the College's Hospitality Management Advisory Committee.

The program director, with the approval of the Occupational Education Dean, may require additional courses or make substitutions required to meet the needs of students.

Contact Person: Director, Distributive and
Mid-Management Education,
Kent Campus
Telephone (904) 387-8166

Course Number Sequence and Title Credits General Education ECO 2013 **ENC 1101** credit hours 18 Professional and Other Required Courses APA 2321 BUL 2111 FIN 2100 FSS 1251 FSS 2501 Introduction to Hospitality HFT 1000 HFT 1250 HFT 1270 HFT 2221 Customer-Personnel Relations. 3 **HFT 2700** **HFT 2941 **HFT 2942 HFT 1410 Front Office Management Hotel/Motel....3

Recommended

MAR 1101

QMB 1001

credit hours 45 = Total credit hours 63

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*Refer to AS Degree General Education Requirements.

**Choices in these courses are determined by the student's employment outlook. This decision will determine what type of instruction the student will be placed in for the internship courses of HFT 2941 and 2942. Internship will consist of 15 hours per week of on-the-job training. Students are encouraged to seek part-time employment in the hospitality industry while attending college and during the sum-

***Two courses from Area I AA Degree General Education Requirements listing, one of which must be from Area IA.

Associate In Science

Insurance

This AS program's objective is to provide students with the necessary course work that can lead to profitable and rewarding careers in the insurance industry — life, property and casualty, and health. Emphasis is placed on job preparation for affiliation with insurance agencies and home office operations. Jacksonville, being the "Insurance Capital of the South," offers great opportunity to qualified insurance AS graduates.

Courses are made available to those persons already employed for career advancement opportunities. These include Chartered Life Underwriters (CLU), Life Office Management (LOMA) and Insurance Institute of America (IIA). Courses leading to licensing requirements for property and casualty general agents, solicitors, and adjusters are also available.

The program director, with the approval of the Occupational Education Dean, may require additional courses or make substitutions required to meet the needs of students.

Contact Person: Director, Distributive and

Mid-Management Education,

Kent Campus

Recommended Course Sequence	Course Number and Title	Credits
General Educ	ation	
***Social Scien	- Natural Science	
ENC 1101 PSY 1012	English Composition I General Psychology	
	cı	redit hours 18
Professional a	and Other Required Courses	
ACG 1003	General Accounting I	3
ACG 1004	General Accounting II	
BUL 2111	Business Law	
FIN 2000	Principles of Finance	3
GEB 1011	Introduction to Business	3
MAN 2021	Principles of Management	
MAR 1101	Salesmanship	
QMB 1001	Business Mathematics	
RMI 1030	Principles of Insurance	
RMI 1200	Principles of Casualty Insura	
	and Surety Bonding	
RMI 1210	Principles of Fire and Allied I	
**Approved Ins	surance Electives	9
	_	redit hours 42
	C	redit hours 42
	Total c	redit hours 60
***Two courses from	ee General Education Requirem m Area I AA Degree General Ed of which must be from Area IA.	lucation Require-
**Approved I	nsurance Electives:	credit hours
MAN 2800	Small Business Management	3
RMI 1110	Principles of Life Insurance I	
RMI 1120	Principles of Health Insurance	
RMI 1160	Marketing Principles of Life a	
	Health Insurance	3
RMI 1260	Principles of Insurance and	
	Liability Claim Adjusting.	
RMI 1280	Principles of Property Insuran	
	Adjusting	
RMI 1430	Legal Aspects of Life Insuran	
RMI 1432	Life Company Operations	
RMI 2270	Liability Insurance Adjusting	
RMI 2281	Property Insurance Adjusting	
RM1 2750	Life Insurance Accounting	3

AS Degree Option UNF Transfer

Insurance

An option transfer program is available to students for admittance to the University of North Florida under a special articulation agreement. Students electing this option are accepted as third year students at UNF upon program completion. Students electing this transfer insurance program to the University of North Florida must complete the transfer program and graduation requirements.

The program director, with the approval of the Occupational Education Dean, may require additional courses or make substitutions required to meet the needs of students.

Contact Person: Director, Distributive and

Mid-Management Education,

Kent Campus

Recommended Course Sequence	Course Number and Title	Credits
General Educ	ation	
*General Educ	ation Electives	
ECO 2013	Principles of Economics I	3
ECO 2023	Principles of Economics II	3
ENC 1101	English Composition I	3
ENC 1102	English Composition II	
HUM 2211	Humanities: The Foundations	
MAC 1104	College Algebra	4
POS 2041	American Federal Government.	
PSY 1012	General Psychology	3
STA 1014	Elementary Statistics	3
	cred	it hours 34
Professional	and Other Required Courses	
ACG 2001	Principles of Accounting I	3
ACG 2011	Principles of Accounting II	
BUL 2111	Business Law	3
FIN 2000	Principles of Finance	3
GEB 1011	Introduction to Business	3
MAN 2021	Principles of Management	
**MAR 1011	Principles of Marketing	3
RMI 1030	Principles of Insurance	3
***RMI 1110	Principles of Life Insurance I	3
***RMI 1200	Principles of Casualty Insurance Surety Bonding	
***RMI 1210	Principles of Fire and Allied Lin	
	cred	it hours 30
	Total cred	it hours 64
	AA Degree General Education	Requirements
listing.		
	in UNF Transfer Option.	
***Any two of the	se courses.	

Associate in Science

Real Estate

This AS program is designed to provide students with a meaningful background in real estate as particularly related to principles, practices, and license law. Pre-licensing requirements established by the Florida Real Estate Commission for licensed salespersons and brokers are incorporated into the program. Through a variety of course offerings, students are presented an opportunity to specialize in other areas of real estate including management.

The program director, with the approval of the Occupational Education Dean, may require additional courses or make substitutions required to meet the needs of students.

Contact Person: Director, Distributive and

Mid-Management Education,

Kent Campus

Recommended		
Course	Course Number	
Sequence	and Title	Credits
General Educa	tion	
*****Humaniti	es	, 6
*Mathematics-	Natural Science	, 3
		3
ECO 2013	Principles of Economics I	
ENC 1101 SPC 1010	English Composition I Fundamentals of Speech	
2101010	Communication	3
	C	redit hours 21
Professional a	nd Other Required Courses	
ACG 1003	General Accounting I	
BUL 2111	Business Law	
FIN 2000	Principles of Finance	
**GEB 1011 MAN 2021	Introduction to Business Principles of Management	
MAN 2021 MAN 2300	Personnel Management	
QMB 1001	Business Mathematics	
REE 1000	Real Estate Principles and	2
REE 1100	Practices	
REE 1400	Real Estate License Law	3
***REE 1810	Real Estate Sales	3
***REE 2200	Real Estate Finance	3
***REE 2270	Mortgage Broker in Mortgage Lending	৭
***REE 2300	Real Estate Investment	
***REE 2430	Real Estate Law	3
***REE 2500	Real Estate Management	
****Approved l	Electives:	3 –
	C	Credit hours 42
	Total	credit hours 63
Another course in Education Dean. *Any three of the	ses from Area II AA Degree C	d of Occupational
****Approved	Electives:	credit hours
MAN 2800	Small Business Managemen	t 3
REE 1810	Real Estate Sales	3
REE 2200	Real Estate Finance	
REE 2220 REE 2270	Home Mortgage Lending Mortgage Broker in Mortgag	
REE 2300	Real Estate Investment	
REE 2430	Real Estate Law	
REE 2500	Real Estate Management	3

AS Degree Option UNF Transfer

Real Estate

An option transfer program is available to students for admittance to the University of North Florida under a special articulation agreement. Students electing this option are accepted as third year students at UNF upon program completion. Students electing this transfer real estate program to the University of North Florida must complete the transfer program and graduation requirements.

Contact Person: Director, Distributive and

Mid-Management Education,

Kent Campus

Recommended Course Sequence	Course Number and Title	Credits
General Educ	cation	
*General Educ	cation Electives	6
ECO 2013	Principles of Economics I	. 3
ECO 2023	Principles of Economics II	3
ENC 1101	English Composition I	
ENC 1102	English Composition II	3
HUM 2211	Humanities: The Foundations	3
MAC 1104	College Algebra	4
POS 2041	American Federal Government	3
PSY 1012	General Psychology	3
STA 1014	Elementary Statistics	3
	credit	hours 34
Professional	and Other Required Courses	
ACG 2001	Principles of Accounting I	a
ACG 2011	Principles of Accounting II	3
BUL 2111	Business Law	3
FIN 2000	Principles of Finance	3
GEB 1011	Introduction to Business	3
MAN 2021	Principles of Management	3
**MAR 1011	Principles of Marketing	3
REE 1000	Real Estate Principles and Practice	
REE 1400	Real Estate License Law	3
***REE 2270	Mortgage Broker in Mortgage Lending	
***REE 2430	Real Estate Law	3
		_
	credit	hours 30
	m	=
	Total credit	
Any courses from	AA General Education Requiremen	4 - 17 - 47

Associate in Science

Sales-Marketing-Retailing

The Sales-Marketing-Retailing AS program provides the student with a background that will assist in preparation for a career in the areas of sales, sales management, sales promotion, advertising, whole-saling, retailing, and market research. Career opportunities in these fields exist in private industry, government, and the professions.

The curriculum includes the study of activities necessary to place goods and services in the hands of household consumers and industrial users. The classroom experiences provide a broad understanding of the marketing process, as well as specialized knowledge in the various areas of marketing.

The program director, with the approval of the Occupational Education Dean, may require additional courses or make substitutions required to meet the needs of students.

Contact Person: Director, Distributive and

Mid-Management Education,
Kent Campus
Telephone (904) 387-8166
Dean, Occupational Education
Programs, North Campus
Telephone (904) 757-6496
Director, Occupational Education
Programs, South Campus
Telephone (904) 646-2210
Director, Business Education,
Downtown Campus
Telephone (904) 633-8317

Recommended		
Course	Course Number	
Sequence	and Title	Credits
General Educa	ution	•
*Mathematics-	Natural Science	3
ECO 2013	Principles of Economics I	3
ENC 1101	English Composition I	
	cre	edit hours 15
Professional a	nd Other Required Courses	
ACG 1003, 100	General Accounting I and II .	6
ACG 2001	Principles of Accounting I	3
ADV 2000	Advertising	3
MAR 1011	Principles of Marketing	
MAR 1101	Salesmanship	
QMB 1001	Business Mathematics	
SES 2335	Business Communications	
**Approved Ele	ectives	24-27
Approved Di		_
	cr	edit hours 45
	Total cr	edit hours 60
*Refer to AS Degre	e General Education Requirem	ents
**Approved I		credit hours
ACG 2011	Principles of Accounting II	3
BUL 2111	Business Law	3
BUL 2112	Business Law	
COE 1000	Cooperative Education Semin	
-1949	Cooperative Education Work I (with program director's price	Experience I
2949	Cooperative Education Work I (with program director's price	Experience II
FIN 2000	Principles of Finance	3
GEB 1011	Introduction to Business	
MAN 2021	Principles of Management	3
MAN 2300	Personnel Management	3
MAN 2800	Small Business Management	3
MAR 1151	Retail Merchandising	
MAR 1301	Sales Promotion	3
MAR 2221	Principles of Wholesale Distr	ibution 3
MAR 2240	Principles of International Tr	
	Export-Import	3
MAR 2401	Sales Management	
RMI 1030	Principles of Insurance	
SES 1100	Beginning Typewriting I	
SES 1101	Beginning Typewriting II	
SES 1110	Intermediate Typewriting	
SES 1324	Calculating Machines	3

Associate in Science

Transportation

The purpose of the Transportation AS program is to enable students to obtain a meaningful career, either in industrial traffic management or in the commercial carrier industry.

The Transportation Advisory Committee continually keeps the faculty aware of industrial needs, job opportunities, changes in transportation technology, and placement services.

Transportation curricula are continually updated, and new courses developed to meet community requirements. The courses provide students with ample specialized training and skills to enter the highly technical field of transportation and distribution

The program director, with the approval of the Occupational Education Dean, may require additional courses or make substitutions required to meet the needs of students.

Contact Person: Director, Distributive and

Mid-Management Education,

Kent Campus

		
Recommended Course Sequence	Course Number and Title	Credits
General Education		
****Humanitie *Mathematics - *Social Science ECO 2013	s	3
SPC 1010 ENC 1101	Fundamentals of Speech Communication English Composition I	3
ENC 1102	English Composition II	3
	cre	dit hours 24
Professional a	nd Other Required Courses	
ACG 1003 BUL 2111 FIN 2000 **GEB 1011 ***MAN 2021 QMB 1001 TRA 1010 ***TRA 1032 ***TRA 1230 ***TRA 1420 TRA 2020 ******Approved	General Accounting I	
	cre	dit hours 36
•	Total cre	dit hours 60
Education Dean. ***For AS degree st tion, Aviation cours stituted for these co ****Any two cours Requirements listin	es from Area II AA Degree Gen	he field of Avia- ves may be sub- eral Education
		credit hours
ASC 1001 ATF 1000 ATF 1010 ATF 1100 ATF 2201C ATF 2203C ATF 2203C ATF 2300 ATT 1110 ATT 1120 MAN 2800 MAR 2221 MAR 2240	Introduction to Aviation/Aerosp Basic Flight I Ground School - Private Pilot Basic Flight II Intermediate Flight I Intermediate Flight II Intermediate Flight II Intermediate Flight III Intermediate Flight III Ground School III - Commercia Ground School IV - Instrument Small Business Management Principles of Wholesale Distrib Principles of International Trac Export-Import	
TRA 1033 TRA 1100	Carrier Liability and Claims Transportation and Traffic Management II	
TRA 1121 TRA 1420 TRA 1905 TRA 2110 TRA 2120	Rate Clerk . Commercial Motor Transportat Independent Study of Transpor Transportation and Traffic Management III	
TRA 2300	Transportation and Traffic Management IV Interstate Commerce Act I	
TRA 2310 TRA 2311	Interstate Commerce Act II Interstate Commerce Law and	3
TRA 2312 TRA 2313	Interstate Commerce Act III Interstate Commerce Act IV	3

AS Degree Option UNF Transfer

Transportation

An option transfer program is available to students for admittance to the University of North Florida under a special articulation agreement. Students electing this option are accepted as third year students at UNF upon program completion. Students electing this transfer transportation program to the University of North Florida must complete the transfer program and graduation requirements.

Contact Person: Director, Distributive and
Mid-Management Education,
Kent Campus

Recommended Course	Course Number
Sequence	and Title Credits
General Educa	ation
*General Educa	ition Electives 6
ECO 2013	Principles of Economics I3
ECO 2023	Principles of Economics II 3
ENC 1101	English Composition I
ENC 1102	English Composition II
HUM 2211	Humanities: The Foundations3
MAC 1104	College Algebra4
POS 2041	American Federal Government3
PSY 1012	General Psychology
STA 1014	_
	credit hours 34
Professional a	and Other Required Courses
ACG 2001	Principles of Accounting I 3
ACG 2011	Principles of Accounting II3
BUL 2111	Business Law 3
FIN 2000	Principles of Finance
GEB 1011	Introduction to Business3
**MAN 2021	Principles of Management
TRA 2020	Economics of Transportation 3
***Approved T	ransportation/Aviation Electives 9 — credit hours 30
	Total credit hours 64
	rom AA General Education Requirements listing.
stituted for this co	ses from the list of approved electives may be sub- urse. Electives for UNF Transfer Option: credit hours
ASC 1001 ATF 1000	Introduction to Aviation/Aerospace3 Basic Flight I
ATF 1000	Ground School – Private Pilot 3
ATF 1100	Basic Flight II3
ATF 2201C	Intermediate Flight I 3
ATF 2202C	Intermediate Flight II3
ATF 2203C	Intermediate Flight III3
ATF 2300	Advanced Flight
ATT 1110	Ground School III - Commercial Pilot 3
ATT 1120	Ground School IV-Instrument Pilot 3
MAN 2800	Small Business Management 3
MAR 2221	Principles of Wholesale Distribution 3
MAR 2240	Principles of International Trade: Export-Import
TRA 1010 TRA 1032	Transportation and Traffic
1 RA 100Z	Management I
TRA 1033	Carrier Liability and Claims3
TRA 1100	Transportation and Traffic
	Management II
TRA 1121	Rate Clerk
TRA 1230	Material Handling
TRA 1420 TRA 1905	Independent Study of Transportation 3
TRA 2110	Transportation and Traffic
THU WILL	Management III3
TRA 2120	Transportation and Traffic Management IV
TRA 2300	Interstate Commerce Act I
TRA 2310	Interstate Commerce Act II 3
TRA 2311	Interstate Commerce Law and Practice 3
TRA 2312	Interstate Commerce Act III 3
TRA 2313	Interstate Commerce Act IV

AS Degree Option UNF Transfer

Airways Science

The Airways Science AS Degree UNF Transfer Option of the Transportation Program provides the student with a basic foundation in the general elements of aviation in preparation for a career with the FAA in Air Traffic Control and Air Traffic Facilities.

The curriculum includes the study necessary to prepare for orientation into the FAA Air Traffic Control System.

Upon completion of this program the student will be awarded an Associate in Science Degree. The student will then be able to continue on to a Baccalaureate Degree providing opportunities for the graduate to qualify for the more keenly competitive positions in the FAA. Students electing this transfer transportation program to the University of North Florida must complete the transfer program and graduation requirements.

Contact Person: Director, Distributive and

Mid-Management Education,

Kent Campus

Recommended Course Sequence	Course Number and Title	Credi	te
General Educ	ation		
ECO 2013 ECO 2023 ENC 1101 ENC 1102 HUM 2211 MAC 1104 POS 2041 PSY 1012 STA 1014 *General Educ	Principles of Economics I Principles of Economics II English Composition I English Composition II Humanities: The Foundations. College Algebra American Federal Government General Psychology Elementary Statistics.		3
	cre	dit hours	34
Professional a	and Other Required Courses		
ACG 2001 ACG 2011 ASC 1210 ASC 1310 MAN 2050 **Approved Pr	Principles of Accounting I Principles of Accounting II Aviation Weather	nd Theory	3
	cred	lit hours	24
Students are re	equired to take four of the followi	ng courses	к:
AVM 2821 AVM 2823 AVM 2825 AVM 2831 ASC 1690 AVM 2431 AVM 2941	The Air Traffic Control Tower Approach Control	er Controller	3
	cred	lit hours	12
	Total cred	lit hours	70
*Any two courses f	rom AS General Education Requi	rements lis	sting.

Recommended Course Sequence	Course Number and Title	Credits
**Approved I	Professional Electives	credit hours
AMH 2010	United States History I	
AMH 2020	United States History II	
ASC 1000	Principles of Flight	
ASC 1001	Introduction to Aviation/Ae	rospace3
ASC 1005	History of Air Transportati	on 3
ATF 1000	Basic Flight I	
ATF 1010	Ground School-Private Pil	lot
ATF 1100	Basic Flight II	
ATF 2201C	Intermediate Flight I	,
ATF 2202C	Intermediate Flight II	
ATF 2203C	Intermediate Flight III	<i></i>
ATF 2300	Advanced Flight	
ATT 1110	Ground School III - Comme	
ATT 1120	Ground School IV-Instrum	
BUL 2111	Business Law	
CHM 1020	Chemistry for Liberal Arts	
CHM 1040C	Introductory Chemistry I.	
CHM 1041C	Introductory Chemistry II	
CHM 1045C	General Chemistry and	
	Qualitative Analysis I.	
CHM 1046C	General Chemistry and	
	Qualitative Analysis II .	
COC 1300	Introductory Computer Con	ncepts
COC 2001	Computer Concepts	
COP 1160	RPG Programming	
COP 2400	Basic Assembly Language	
COP 2110	FORTRAN Programming	
COP 2120	Basic COBOL Programmin	ng
COP 2121	Advanced COBOL Program	
COP 2130	PL/1 PROGRAMMING	
COP 2170	Programming in BASIC	
COP 2610	Advanced Computing and	
	Programming Systems .	
ENC 2210	Technical Report Writing.	
MAC 1114	College Trigonometry	
MAC 1311	Calculus with Analytic Ge	
MAC 2312	Calculus with Analytic Ge	
MAC 2313	Calculus with Analytic Ge	
MAN 2021	Principles of Management	
MAN 2050	Transportation Manageme	
MAN 2300	Personnel Management	
MAN 2800	Small Business Manageme	ent
MET 1001	Meteorology	• • • • • • • • • • • • • • • • • • • •
PHY 1020	Physics for Liberal Arts	
PHY 2048C	Physics I with Calculus	• • • • • • • • • • • • • • • • • • • •
PHY 2049C	Physics II with Calculus .	
PHY 2053C	General Physics I	
PHY 2054C	General Physics II	***************************************
SPC 1010	Fundamentals of Speech Communication	
TD 4 1010	Principles of Transportation	
TRA 10 10	Principles of Transportation	011

Engineering and Industrial Related Education

Associate in Science

Air Traffic Management

The Air Traffic Management AS Program provides the student with a background that will assist in preparing for a career in Air Traffic Control and other aviation related operations. Career opportunities exist in private industry and government.

The curriculum includes the study of activities necessary to control and manage aircraft in the air and on the ground.

Contact Person: Director, Distributive and

Mid-Management Education,

Kent Campus

ecommended ourse equence	Course Number and Title Credits
General Edu	ication
*Humanities	
ENC 1101	English Composition I
ENC 1102	English Composition II
MGF 1204	College Mathematics
SPC 1010	Fundamentals of Speech
007.4400	Communication 3
SSI 1120 MET 1001	Origins of American Society
	credit hours 21
Professional	and Other Required Courses
ASC 1000	Principles of Flight
ASC 1005	History of Air Transportation 3
ASC 1210	Aviation Weather
ASC 1310	Federal Air Regulations3
ASC 1690	Environment of the Air Traffic
	Controller
AVM 2431	The Flight Service Station
AVM 2821	The Air Traffic Control Tower
AVM 2823	Approach Control
AVM 2825	Air Route Traffic Control Center 3
AVM 2831	Radar/Computer Interface
AVM 2941	Facility Internship 4
COC 1300	Introductory Computer Concepts 3

	Electives
	Electives 6
	Electives
***Approved	Electives 6 credit hours 43 = Total credit hours 64
***Approved	Electives 6 credit hours 43 Total credit hours 64 ree General Education Requirements
***Approved defer to AS Deg ***Approved	Electives 6 credit hours 43 Total credit hours 64 ree General Education Requirements d Electives: credit hours
***Approved tefer to AS Deg ***Approved ASC 1001	Electives 6 credit hours 43 Total credit hours 64 ree General Education Requirements d Electives: credit hours Introduction to Aviation/Aerospace 3
***Approved tefer to AS Deg ***Approved ASC 1001 ATF 1000	Electives 6 credit hours 43 Total credit hours 64 ree General Education Requirements I Electives: credit hours Introduction to Aviation/Aerospace 3 Basic Flight I 3
***Approved tefer to AS Deg ***Approved ASC 1001 ATF 1000 ATF 1010	Electives 6 credit hours 43 Total credit hours 64 ree General Education Requirements I Electives: credit hours Introduction to Aviation/Aerospace 3 Basic Flight I 3 Ground School-Private Pilot 3
***Approved tefer to AS Deg ***Approved ASC 1001 ATF 1000	Electives 6 credit hours 43 Total credit hours 64 ree General Education Requirements I Electives: credit hours Introduction to Aviation/Aerospace 3 Basic Flight I 3 Ground School-Private Pilot 3
***Approved tefer to AS Deg ***Approved ASC 1001 ATF 1000 ATF 1010 ATF 2201C	Electives
***Approved tefer to AS Deg ***Approved ASC 1001 ATF 1000 ATF 1010 ATF 1100	Electives
***Approved tefer to AS Deg ***Approved ASC 1001 ATF 1000 ATF 1010 ATF 2201C	Electives
***Approved tefer to AS Deg ***Approved ASC 1001 ATF 1000 ATF 1010 ATF 1100 ATF 2201C ATF 2202C	Electives
***Approved tefer to AS Deg ***Approved ASC 1001 ATF 1000 ATF 1010 ATF 1100 ATF 2201C ATF 2202C ATF 2203C	Electives
***Approved tefer to AS Deg ***Approved ASC 1001 ATF 1000 ATF 1010 ATF 1100 ATF 2201C ATF 2202C ATF 2203C ATF 2300	Electives 6 credit hours 43 Total credit hours 64 ree General Education Requirements I Electives: credit hours Introduction to Aviation/Aerospace 3 Basic Flight I 3 Ground School-Private Pilot 3 Basic Flight II 3 Intermediate Flight I 3 Intermediate Flight II 3 Intermediate Flight II 3 Intermediate Flight II 3 Intermediate Flight II 3 Ground School III - Commercial Pilot 3 Ground School III - Commercial Pilot 3
***Approved tefer to AS Deg ***Approved ASC 1001 ATF 1000 ATF 1010 ATF 2201C ATF 2202C ATF 2203C ATF 2300 ATT 1110	Electives 6 credit hours 43 Total credit hours 64 ree General Education Requirements I Electives: credit hours Introduction to Aviation/Aerospace 3 Basic Flight I 3 Ground School-Private Pilot 3 Basic Flight II 3 Intermediate Flight II 3 Intermediate Flight II 3 Intermediate Flight II 3 Ground School III — Commercial Pilot 3 Ground School IV—Instrument Pilot 3 Ground School IV—Instrument Pilot 3
***Approved tefer to AS Deg ***Approved ASC 1001 ATF 1000 ATF 1010 ATF 1100 ATF 2201C ATF 2202C ATF 2203C ATF 2203C ATF 2300 ATT 1110 ATT 1120	Electives 6 credit hours 43 Total credit hours 64 ree General Education Requirements I Electives: credit hours Introduction to Aviation/Aerospace 3 Basic Flight I 3 Ground School-Private Pilot 3 Basic Flight II 3 Intermediate Flight II 3 Intermediate Flight II 3 Intermediate Flight II 3 Advanced Flight II 3 Ground School IVI—Commercial Pilot 3 Ground School IVI—Instrument Pilot 3 Ground School IV—Instrument Pilot 3 Aircraft Airframe Mechanic 3
***Approved tefer to AS Deg ***Approved ASC 1001 ATF 1000 ATF 1010 ATF 1100 ATF 2201C ATF 2202C ATF 2203C ATF 2300 ATT 1110 ATT 1120 ATM 1300	Electives 6 credit hours 43 Total credit hours 64 ree General Education Requirements I Electives: credit hours Introduction to Aviation/Aerospace 3 Basic Flight I 3 Ground School-Private Pilot 3 Basic Flight II 3 Intermediate Flight I 3 Intermediate Flight I 3 Intermediate Flight II 3 Advanced Flight II 3 Ground School IV-Commercial Pilot 3 Ground School IV-Instrument Pilot 3 Ground School IV-Instrument Pilot 3 Aircraft Airframe Mechanic 3 Aircraft Powerplants Mechanics 3
***Approved tefer to AS Deg ***Approved ASC 1001 ATF 1000 ATF 1010 ATF 1100 ATF 2201C ATF 2202C ATF 2203C ATF 2300 ATT 1110 ATT 11120 ATM 1300 ATM 1500	Electives 6 credit hours 43 Total credit hours 64 ree General Education Requirements H Electives: credit hours Introduction to Aviation/Aerospace 3 Basic Flight I 3 Ground School-Private Pilot 3 Basic Flight II 3 Intermediate Flight I 3 Intermediate Flight II 3 Advanced Flight II 3 Ground School IV-Instrument Pilot 3 Ground School IV-Instrument Pilot 3 Aircraft Powerplants Mechanic 3
***Approved tefer to AS Deg ***Approved ASC 1001 ATF 1000 ATF 1010 ATF 2201C ATF 2202C ATF 2203C ATF 2300 ATT 1110 ATT 1120 ATM 1300 ATM 1500 ATM 1700	Electives 6 credit hours 43 Total credit hours 64 ree General Education Requirements I Electives: credit hours Introduction to Aviation/Aerospace 3 Basic Flight I 3 Ground School-Private Pilot 3 Basic Flight II 3 Intermediate Flight I 3 Intermediate Flight II 3 Intermediate Flight II 3 Advanced Fl
***Approved tefer to AS Deg ***Approved ASC 1001 ATF 1000 ATF 1010 ATF 1100 ATF 2201C ATF 2203C ATF 2203C ATF 2300 ATT 1110 ATT 1120 ATM 1300 ATM 1500 ATM 1700 ATM 1800	Electives 6 credit hours 43 Total credit hours 64 ree General Education Requirements I Electives: credit hours Introduction to Aviation/Aerospace 3 Basic Flight I 3 Ground School-Private Pilot 3 Basic Flight II 3 Intermediate Flight II 3 Advanced Flight II 3 Ground School IV-Instrument Pilot 3 Ground School IV-Instrument Pilot 3 Aircraft Airframe Mechanic 3 Aircraft Powerplants Mechanic 3 Aircraft Powerplants Mechanic 3 Aircraft Powerplants Mechanic 4 Practicum 2 Aircraft Airframe Mechanic 5 Practicum 2 Foundations of the American
***Approved tefer to AS Deg ***Approved ASC 1001 ATF 1000 ATF 1010 ATF 1201C ATF 2201C ATF 2203C ATF 2203C ATF 2300 ATT 1110 ATT 1120 ATM 1300 ATM 1500 ATM 1700 ATM 1800 ATM 1810 ECO 2000	Electives 6 credit hours 43 Total credit hours 64 ree General Education Requirements d Electives: credit hours Introduction to Aviation/Aerospace 3 Basic Flight I 3 Ground School-Private Pilot 3 Basic Flight II 3 Intermediate Flight II 3 Advanced Flight II 3 Ground School IV-Instrument Pilot 3 Ground School IV-Instrument Pilot 3 Aircraft Powerplants Mechanic 3 Aircraft Airframe Mechanic 3 Aircraft Airframe Mechanic 3 Aircraft Airframe Mechanic 3 Aircraft Airframe Mechanic 3 Practicum 2 Foundations of the American Economy 3
***Approved tefer to AS Deg ***Approved ASC 1001 ATF 1000 ATF 1010 ATF 2201C ATF 2202C ATF 2203C ATF 2300 ATT 1110 ATT 1120 ATM 1300 ATM 1500 ATM 1700 ATM 1810	Electives 6 credit hours 43 Total credit hours 64 ree General Education Requirements I Electives: credit hours Introduction to Aviation/Aerospace 3 Basic Flight I 3 Ground School-Private Pilot 3 Basic Flight II 3 Intermediate Flight II 3 Intermediate Flight II 3 Intermediate Flight II 3 Intermediate Flight II 3 Advanced Flight II 3 Advanced Flight II 3 Advanced Flight II 3 Ground School IV-Instrument Pilot 3 Aircraft Airframe Mechanic 3 Aircraft Powerplants Mechanic 3 Aircraft Powerplants Mechanic 3 Aircraft Airframe Mechanic 3 Facticum 2 Foundations of the American 2 Foundations of the American 3 Technical Report Writing 3 Transportation Management and
***Approved tefer to AS Deg ***Approved ASC 1001 ATF 1000 ATF 1010 ATF 2201C ATF 2202C ATF 2203C ATF 2300 ATT 1110 ATT 1120 ATM 1300 ATM 1500 ATM 1700 ATM 1810 ECO 2000 ENC 2210 MAN 2050	Electives 6 credit hours 43 Total credit hours 64 ree General Education Requirements I Electives: credit hours Introduction to Aviation/Aerospace 3 Basic Flight I 3 Ground School-Private Pilot 3 Basic Flight II 3 Intermediate Flight II 3 Ground School IV-Instrument Pilot 3 Ground School IV-Instrument Pilot 3 Aircraft Airframe Mechanic 3 Aircraft Powerplants Mechanic 3 Aircraft Powerplants Mechanic 3 Aircraft Powerplants Mechanic 4 Practicum 2 Aircraft Airframe Mechanic 5 Practicum 2 Aircraft Airframe Mechanic 9 Fracticum 2 Aircraft Airframe Mechanic 9 Fracticum 2 Aircraft Airframe Mechanic 9 Fracticum 2 Foundations of the American 8 Economy 3 Technical Report Writing 3 Transportation Management and 1 Theory 3
***Approved tefer to AS Deg ***Approved ASC 1001 ATF 1000 ATF 1010 ATF 2201C ATF 2202C ATF 2203C ATF 2300 ATT 1110 ATT 1120 ATM 1300 ATM 1500 ATM 1500 ATM 1810 ECO 2000 ENC 2210 MAN 2300 MAN 2300	Electives 6 credit hours 43 Total credit hours 64 ree General Education Requirements I Electives: credit hours Introduction to Aviation/Aerospace 3 Basic Flight I 3 Ground School-Private Pilot 3 Basic Flight II 3 Intermediate Flight II 3 Intermediate Flight II 3 Intermediate Flight II 3 Intermediate Flight II 3 Ground School IVI—Instrument Pilot 3 Ground School IVI—Instrument Pilot 3 Ground School IVI—Instrument Pilot 3 Aircraft Airframe Mechanic 3 Aircraft Powerplants Mechanic 3 Aircraft Powerplants Mechanic 3 Aircraft Powerplants Mechanic 3 Aircraft Airframe Mechanic 3 Aircraft Airf
***Approved tefer to AS Deg ***Approved ASC 1001 ATF 1000 ATF 1010 ATF 2201C ATF 2202C ATF 2203C ATF 2300 ATT 1110 ATT 1120 ATM 1300 ATM 1500 ATM 1700 ATM 1810 ECO 2000 ENC 2210 MAN 2050	Electives 6 credit hours 43 Total credit hours 64 ree General Education Requirements I Electives: credit hours Introduction to Aviation/Aerospace 3 Basic Flight I 3 Ground School-Private Pilot 3 Basic Flight II 3 Intermediate Flight II 3 Ground School IV-Instrument Pilot 3 Ground School IV-Instrument Pilot 3 Aircraft Airframe Mechanic 3 Aircraft Powerplants Mechanic 3 Aircraft Powerplants Mechanic 3 Aircraft Powerplants Mechanic 4 Practicum 2 Aircraft Airframe Mechanic 5 Practicum 2 Aircraft Airframe Mechanic 9 Fracticum 2 Aircraft Airframe Mechanic 9 Fracticum 2 Aircraft Airframe Mechanic 9 Fracticum 2 Foundations of the American 8 Economy 3 Technical Report Writing 3 Transportation Management and 1 Theory 3

Associate in Science

Architectural Engineering Technology

Architectural Engineering Technology is a program designed to prepare the student for a career as an assistant to architects, engineers, or employers whose companies are associated through services or products with the architectural and building construction field.

A student will be considered as selected for this program when the student has an AS/AAS/Technical Certificate Graduation Status Sheet File Maintenance Form signed by the student and program director, on file.

Students with an inadequate basic skills background will be required to enroll in the level of mathematics and/or English necessary to acquire program entry skills. The student's score on the entry test given during the orientation process will be used to determine readiness for program entry.

Graduates of the Architectural Engineering Technology degree program may expect to be employed locally as associates or assistants to architects, engineers, designers or engineering consultant firms.

Contact Person: Director, Administrative Services for Technical Education, Downtown Campus Telephone (904) 633-8289

Cou	ommended rse uence	Course Number and Title	Credits
•	General Educat		
22	*Humanities.		3
8			,
2	ENC 1101	English Composition I	. , , , , , , , , , , , , , , , , , , ,
1	MAC 1104	College Algebra	3
6	MAC 1114	College Trigonometry	4
10	PHY 2053C	General Physics I	
13	PHY 2054C	General Physics II	
			credit hours 24
	Core Courses		
11	ARC 2120C	Architectural Drafting	3
12	BCN 1001C	Building Construction	, , , , 3
16	BCN 2614C	Planning and Estimating	3
20	CDA 2172	Computer Aided Drafting	
] -		and Design	3
5	COC 2001	Computer Concepts	3
7	ENC 2210	Technical Report Writing	3
18	ETC 2410C	Structural Drafting	
19	ETC 2450C	Concrete	3
4	ETD 1100C	Engineering Drawing	3
14	ETG 2504C	Engineering Mechanics	4
17	ETG 2535C	Testing and Strength of Ma	terials 4
3	ETI 1421C	Engineering Materials and	Processes 3
21	ETM 2610C	Air Conditioning and Heat	ing
9	SUR 1101C	Surveying I	Q
15	SUR 2140C	Surveying II	
			credit hours 47
		Tota	l credit hours 71
*R	efer to AS Degre	e General Education Requires	nents.

Technical Certificate

Architectural Engineering Technology

Architectural Engineering Technology is a program designed to prepare the student for a career as an assistant to architects, engineers, or employers whose companies are associated through services or products with the architectural and building construction field.

A student will be considered as selected for this program when the student has an AS/AAS/Technical Certificate Graduation Status Sheet File Maintenance Form signed by the student and program director, on file.

Students with an inadequate basic skills background will be required to enroll in the level of mathematics and/or English necessary to acquire program entry skills. The student's score on the entry test given during the orientation process will be used to determine readiness for program entry.

Graduates of the Architectural Engineering Technical Certificate Program may expect to be employed locally by a surveying company as a field party member or an office drafting person. Other job opportunities may include working as a testing technician for an engineering testing company or in an architect's office as a helper or job inspector.

Contact Person:Director, Administrative Services for Technical Education, Downtown Campus Telephone (904) 633-8289

Co	commended urse quence	Course Number and Title	Credits	
General Education				
11	*Humanities .			
4	ENC 1101	English Composition I		
1	MAC 1104	College Algebra	4	
5	MAC 1114	College Trigonometry	3	
		C	redit hours 13	
	Core Courses			
7	ARC 2120C	Architectural Drafting	3	
8	BCN 1001C	Building Construction	3	
10	BCN 2614C	Planning and Estimating	<i></i> 3	
12	CDA 2172	Computer Aided Drafting an	d Design 3	
2	ETD 1100C	Engineering Drawing	<i></i> 3	
3	ETI 1421C	Engineering Materials and P		
13	ETM 2610C	Air Conditioning and Heatin		
6 9	SUR 1101C SUR 2140C	Surveying I	3	
9	SOR 2140C	Surveying II	3	
		c	redit hours 27	
		Total c	redit hours 40	
*Re	fer to AS Degree	General Education Requireme	nts.	

Civil Engineering Technology

The objective of this program is to prepare the student for a career in fields related to Civil Engineering such as drafting, construction, surveying, highways, structures, water resources, hydraulics, hydrology, soils and foundations.

A student will be considered as selected for this program when the student has an AS/AAS/Technical Certificate Graduation Status Sheet File Maintenance Form signed by the student and program director, on file.

Students with an inadequate basic skills background will be required to enroll in the level of mathematics and/or English necessary to acquire program entry skills. The student's score on the entry test given during the orientation process will be used to determine readiness for program entry.

Graduates of the Civil Engineering Technology degree program may elect to continue studies for the Bachelor's in Technology degree at an upper level institution.

Contact Person: Director, Administrative Services

for Technical Education, Downtown Campus Telephone (904) 633-8289

_	Co	commended arse quence	Course Number and Title Credits	
		General Educati	on	
	11 22 4 1 6 9		English Composition I College Algebra College Trigonometry General Physics I General Physics II Credit hours	3
		Core Courses	Creat nours	24
	2 12 10 3 19 15 8 17 21 19 20 18 7 5 14	ETD 1100C BCN 1001C ARC 2120C ETI 1421C ETC 2410C ETG 2504C SUR 1101C ETG 2535C ETC 2500C BCN 2614C ETC 2220C ETC 2521C ENC 2210 COC 2001 SUR 2140C ETC 2450C	Engineering Drawing. Building Construction Architectural Drafting. Engineering Materials and Process Structural Drafting Engineering Mechanics Surveying I Testing and Strength of Materials Highway Drafting and Route Design Planning and Estimating. Soils and Foundations Hydrology and Hydraulics. Technical Report Writing. Computer Concepts. Surveying II. Concrete.	3
			credit hours Total credit hours	=
	*R	efer to AS Degree	General Education Requirements.	

Civil Engineering Technology

The objective of the one-year certificate program in Civil Engineering Technology is to prepare the student for a career in the fields related to Civil Engineering. A graduate of this program could be employed to assist the architect as the job inspector, or to draw up preliminary sketches for the contractor or engineer. In summary, this certificate program provides a starting point for the graduate to enter the building construction business or related businesses.

A student will be considered as selected for this program when the student has an AS/AAS/Technical Certificate Graduation Status Sheet File Maintenance Form signed by the student and program director, on file.

Students with an inadequate basic skills background will be required to enroll in the level of mathematics and/or English necessary to acquire program entry skills. The student's score on the entry test given during the orientation process will be used to determine program entry.

Graduates of the Civil Engineering Technology certificate program may elect to continue studies for the Associate in Science Degree in Civil Engineering Technology.

Contact Person:Director, Administrative Services for Technical Education, Downtown Campus Telephone (904) 633-8289

Cor	commended urse juence	Course Number and Title	Credits		
General Education					
1 6 4	MAC 1104 MAC 1114 ENC 1101	College Algebra	3		
	Professional a	nd other Required Courses			
2 9 8 10 3 12 7 11 5	ETD 1100C BCN 1001C ARC 2120C ETD 2121C ETI 1421C ETC 2410C SUR 1101C BCN 2614C ENC 2210	Engineering Drawing Building Construction Architectural Drafting Civil Drafting Engineering Materials and P Structural Drafting Surveying I Planning and Estimating Technical Report Writing			
			redit hours 27 = credit hours 37		

Drafting and Design Technology

The objective of this AS program is to prepare students for careers as assistants to engineers or architects. The graduate will be prepared to translate ideas, sketches, calculations, and specifications into complete and accurate working drawings.

A student will be considered as selected for this program when the student has an AS/AAS/Technical Certificate Graduation Status Sheet File Maintenance Form signed by the student and the program director, on file.

Students with an inadequate basic skills background will be required to enroll in the level of mathematics and/or English necessary to acquire program entry skills. The student's score on the entry test given during the orientation process will be used to determine readiness for program entry.

Contact Person: Director, Administrative Services for Technical Education, Downtown Campus Telephone, (904) 633-8289

Cou	ommended rse uence	Course Number and Title	Credits
•	General Educat		
22	*Humanities .		3
19	*Social Science		
10	MAC 1104	College Algebra	9
14	MAC 1114	College Trigonometry	۸
6	PHY 2053C	General Physics I	A
3	PHY 2054C	General Physics II	9
2	ENC 1101	English Composition I	
			credit hours 24
	Professional a	nd Other Required Courses	
12	ARC 2120C	Architectural Drafting	3
17	BCN 2614C	Planning and Estimating	
13	BCN 1001C	Building Construction	
21	CDA 2172	Computer Aided Drafting	n
		and Design	
11	COC 2001	Computer Concepts	
7	EGN 1130C	Descriptive Geometry	
5	ENC 2210	Technical Report Writing	و
4	ETD 1100C	Engineering Drawing	bashing 3
8	ETD 1645C	Mechanical and Electrical I	Marring
16	ETD 2121C	Civil Drafting Engineering Mechanics	4
15	ETG 2504C	Testing and Strength of Mai	terials 4
18	ETG 2535C	Engineering Materials and	Processes 3
1	ETI 1421C	Industrial Safety	3
20	ETI 1700 SUR 1101C	Surveying I	3
9	SUR THIC	Surveying 1	_
			credit hours 47
		Total	credit hours 71
*R	efer to AS Degre	ee General Education Requiren	nents

Drafting

A Technical Certificate program is offered in Drafting and is designed to prepare the student for employment as a drafter.

A student will be considered as selected for this program when the student has an AS/AAS/Technical Certificate Graduation Status Sheet File Maintenance Form signed by the student and the program director, on file.

Students with an inadequate basic skills background will be required to enroll in the level of mathematics and/or English necessary to acquire program entry skills. The student's score on the entry test given during the orientation process will be used to determine readiness for program entry.

The graduate of the Certificate program may elect to continue studies for the Associate in Science Degree in Drafting and Design Technology.

Contact Person:Director, Administrative Services for Technical Education, Downtown Campus Telephone (904) 633-8289

Recommended Course Sequence	Course Number and Title Credite
General Educati 3 ENC 1101 1 MAC 1104	English Composition I
Professional and	Other Required Courses
8 ARC 2120C	Architectural Drafting
0 CDA 2172	Computer Aided Drafting and Design 3
6 EGN 1130C	Descriptive Geometry3
5 ENC 2210	Technical Report Writing3
2 ETD 1100C 7 ETD 1645C	Engineering Drawing
	Mechanical and Electrical Drafting 3
	Civil Drafting
4 ETI 1421C	Engineering Materials and Processes 3
	credit hours 24
	credit nours 24
	Total credit hours 31

Electronics Engineering Technology

Electronics Engineering Technology is a two-year AS degree program offering optional tracks in Digital Electronics, Communications Electronics, X-Ray Engineering Technology, Biomedical Instrumentation Technology and Robotics Technology.

The program is designed to provide the student with the skills needed to enter a career in the field of electronics as a technician, engineering assistant, or an assistant to scientific personnel working with systems or processes which depend principally upon electronics equipment.

Electronics Engineering Technology Biomedical Specialty

Completion of the Biomedical Instrumentation Technology specialization may lead to employment in hospitals and companies supplying equipment and/or service to hospitals and physicians'/dentists' offices related to biomedical instrumentation equipment.

Contact Person: Director, Administrative Services for Technical Education, Downtown Campus Telephone (904) 633-8289 A student will be considered as selected for this program when the student has an AS/AAS/Technical Certificate Graduation Status Sheet File Maintenance Form signed by the student and program director, on file.

Students with an inadequate basic skills background will be required to enroll in the level of mathematics and/or English necessary to acquire program entry skills. The student's score on the entry test given during the orientation process will be used to determine readiness for program entry.

Specialty Tracks follow:

Cot	commended urse uence	Course Number and Title	Credits
	General Educa	tion	
22	*Humanities		
12	*Social Science	e	<i></i>
3	APB 2190C	Human Anatomy and Physic	
2	ENC 1101	English Composition I	
1	MAC 1104	College Algebra	
7	MAC 1114	College Trigonometry	
10	PHY 2053C	General Physics I	
14	PHY 2054C	General Physics II	
		c	redit hours 2
	Core Courses		
8	ENC 2210	Technical Report Writing	
4	ETE 1010C	DC Theory and Circuits	
9	ETE 1020C	AC Theory and Circuits	
5	ETE 2101C	Introduction to Solid State El	
13	ETE 2111C	Amplifier Circuits	
17	ETE 2141C	Linear Semiconductor Analys	
18	ETE 2527C	Electrical - Electronics Contr	
6	ETE 2601C	Introduction to Digital Electr	
11	ETE 2633C	Computer Logic Circuits	
16	ETE 2680C	Microprocessors	
21	MAC 1311	Calculus with Analytic Geom	
	MTB 2323	Technical Calculus	• • • • • • • • • • • • •
		c	redit hours 3
	Biomedical Sp	ecialty	
15	ETI 1725	Biomedical Safety and Termi	
19	ETE 2815C	Biomedical Instrumentation	
20	ETE 1810	Biomedical Technology and T	
23	ETE 2816C	Biomedical Instrumentation	
24	ETE 2940	Biomedical Practicum	• • • • • • • • • • • •
		c	redit hours 1
		Total c	redit hours 7
*Re	fer to AS Degre	e General Education Requireme	nts.

Electronics Engineering Technology Communications Specialty

Completion of the Communications Electronics specialization may lead to employment in industries where communications electronics equipment such as communication satellite, broadcasting, television, telephone, mobile radio and paging systems are used.

Contact Person: Director, Administrative Services for Technical Education, Downtown Campus Telephone (904) 633-8289

Cor	commended urse uence	Course Number and Title	Credits
	General Educat	ion	
19	*Humanities		
16			
5	ENC 1101	English Composition I	
1	MAC 1104	College Algebra	
7	MAC 1114	College Trigonometry	
9	PHY 2053C	General Physics I	
13	PHY 2054C	General Physics II	
			credit hours 2
	Core Courses		
12	ENC 2210	Technical Report Writing	
4	ETE 1010C	DC Theory and Circuits	
10	ETE 1020C	AC Theory and Circuits	
8	ETE 2101C	Introduction to Solid State E	lectronics
14	ETE 2111C	Amplifier Circuits	
18	ETE 2141C	Linear Semiconductor Analy	sis
19	ETE 2527C	Electrical - Electronic Contro	ol Systems
6	ETE 2601C	Introduction to Digital Elect	
11	ETE 2633C	Computer Logic Circuits	
15	ETE 2680C	Microprocessors	
21	MAC 1311	Calculus with Analytic George	netry I
	MTB 2323	Technical Calculus	
			credit hours 3
	Communication	s Specialty:	
2	COC 2001	Computer Concepts	
3	ETD 1100C	Engineering Drawing	
20	ETE 2411C	Communications Electronics	1
23	ETE 2421C	Communications Electronics	
22	ETI 1700	Industrial Safety	
			credit hours 1
		Total	credit hours 72
*D -	for to AS domes (General Education Requireme	nto

Electronics Engineering Technology Digital Specialty

Completion of the Digital Electronics specialization may lead to employment in industries where computerized electronics equipment is installed, calibrated, serviced, repaired and maintained.

Contact Person:Director, Administrative Services for Technical Education, Downtown Campus Telephone (904) 633-8289

Cou	ommended rse uence	Course Number and Title	Credits
	General Educa	tion	
18	*Humanities .		3
16	*Social Science	B	
5	ENC 1101	English Composition I	3
1	MAC 1104	College Algebra	4
6	MAC 1114	College Trigonometry	
10	PHY 2053C	General Physics I	4
14	PHY 2054C	General Physics II	4
			credit hours 24
	Core Courses		
12	ENC 2210	Technical Report Writing	3
4	ETE 1010C	DC Theory and Circuits	
9	ETE 1020C	AC Theory and Circuits	
7	ETE 2101C	Introduction to Solid State E	
13	ETE 2111C	Amplifier Circuits	
17	ETE 2141C	Linear Semiconductor Analy	
19	ETE 2527C	Electrical-Electronic Contro	ol Systems 3
8	ETE 2601C	Introduction to Digital Elect	ronics
11	ETE 2633C	Computer Logic Circuits	.
15	ETE 2680C	Microprocessors	
20	MAC 1311	Calculus with Analytic Geor	metry 1 4
	MTB 2323	Technical Calculus	
			credit hours 3
	Digital Special	ity:	
2	COC 2001	Computer Concepts	
3	ETD 1100C	Engineering Drawing	
22	ETE 2648C	Computer Peripherals and I	
21	ETI 1700	Industrial Safety	
			credit hours 1
		Total	credit hours 69
*D.	for to AS Decre	e General Education Requirem	ents
- Itt	sier to wa negre	e General Education Requirem	ents

Electronics Engineering Technology Robotics Specialty

Completion of the Robotics Technology specialization may lead to employment in industrial settings where automated equipment is used such as production line manufacturing, hazardous industries (radiation, welding, chemicals), in domestic uses, or in companies manufacturing robots.

Contact Person: Director, Administrative Services for Technical Education, Downtown Campus

Telephone (904) 633-8289

Cou	ommended irse uence	Course Number and Title	Credits
	General Educa	tion	
18	*Humanities.	· • · · · · · · · · · · · · · · · · · ·	
12		9	
4	ENC 1101	English Composition I	
1	MAC 1104	College Algebra	4
6	MAC 1114	College Trigonometry	
10	PHY 2053C	General Physics I	4
13	PHY 2054C	General Physics II	<i></i> 4
			credit hours 24
	Core Courses		
8	ENC 2210	Technical Report Writing	9
3	ETE 1010C	DC Theory and Circuits	
9	ETE 1020C	AC Theory and Circuits	
5	ETE 2101C	Introduction to Solid State E	lectronics 3
14	ETE 2111C	Amplifier Circuits	
19	ETE 2141C	Linear Semiconductor Analy	
20	ETE 2527C	Electrical - Electronic Contro	
7	ETE 2601C	Introduction to Digital Elect	ronics 3
11	ETE 2633C	Computer Logic Circuits	
16	ETE 2680C	Microprocessors	
21	MAC 1311	Calculus with Analytic Geor	netry I 4
	MTB 2323	Technical Calculus	3
			credit hours 33
1	Robotics Speci	alty:	
2	ETD 1100C	Engineering Drawing	
23	ETE 2761C	Robotics	
15	ETG 2504C	Engineering Mechanics	4
22	ETI 1700	Industrial Safety	
17	ETM 2310C	Fluid Mechanics	
			credit hours 16
		Total	credit hours 73
*Re	fer to AS Degree	General Education Requireme	ents

Electronics Engineering Technology X-Ray Specialty

Completion of the X-Ray Engineering Technology specialization may lead to employment as a service technician in the medical x-ray equipment field.

Contact Person:Director, Administrative Services for Technical Education Downtown Campus Telephone (904) 633-8289

Cou	ommended rse uence	Course Number and Title	Credits
,	General Educati	ion	
20	*Humanities		
12	*Social Science		3
2	ENC 1101	English Composition I	
1	MAC 1104	College Algebra	
7	MAC 1114	College Trigonometry	
10	PHY 2053C	General Physics I	
15	PHY 2054C	General Physics II	4
		•	credit hours 24
	Core Courses		
8	ENC 2210	Technical Report Writing	3
4	ETE 1010C	DC Theory and Circuits	
9	ETE 1020C	AC Theory and Circuits	
5	ETE 2101C	Introduction to Solid State E	lectronics3
14	ETE 2111C	Amplifier Circuits	3
18	ETE 2141C	Linear Semiconductor Analy	rsis 3
19	ETE 2527C	Electrical - Electronics Contr	
6	ETE 2601C	Introduction to Digital Elect	ronics 3
11	ETE 2633C	Computer Logic Circuits	[′] 3
16	ETE 2680C	Microprocessors	
23	MAC 1311	Calculus with Analytic Geor	netry I 4
	MTB 2323	Technical Calculus	3
		ī	credit hours 33
	X-Ray Specialty	·	
3	ETD 1100C	Engineering Drawing	3
13	ETG 1201C	X-Ray Physics	
17	ETG 2202C	X-Ray Systems	<i>.</i> 3
21	ETG 2204C	X-Ray Practicum	
22	ETG 2205C	X-Ray Imaging Systems	
			credit hours 15
		Total	credit hours 72
*Re	efer to AS Degree	General Education Requirem	ents

Electronics Engineering Technology

Electronics Engineering Technology Certificate program is a one-year program designed to provide the student with the skills needed to enter a career in the field of electronics as a technician, engineering assistant, or an assistant to scientific personnel working with systems or processes which depend principally upon electronics equipment.

A student will be considered as selected for this program when the student has an AS/AAS/Technical Certificate Graduation Status Sheet File Maintenance Form signed by the student and program director, on file.

Students with an inadequate basic skills background will be required to enroll in the level of mathematics and/or English necessary to acquire program entry skills. The student's score on the entry test given during the orientation process will be used to determine readiness for program entry.

The student completing the one-year certificate for Electronics Engineering Technology program may expect to develop general entry level skills for employment in local industries where service of basic electronic equipment is required.

Contact Person: Director, Administrative Services

for Technical Education Downtown Campus Telephone (904) 633-8289

Recommended Course Sequence		Course Number and Title	Credits
General Education			
3 ENC 1101 1 MAC 1104 5 MAC 1114		MAC 1104 College Algebra	
	Professional a	nd Other Required Courses	
4	ETE 1010C	DC Theory and Circuits	
8	ETE 1020C	AC Theory and Circuits	
6	ETE 2101C	Introduction to Solid State E	
10	ETE 2111C	Amplifier Circuits	
11 12	ETE 2141C ETE 2527C	Linear Semiconductor Analy Electrical – Electronic Contro	
7	ETE 2601C	Introduction to Digital Elect	
9	ETE 2633C	Computer Logic Circuits	
2	COC 2001	Computer Concepts	
			credit hours 27
		Total	credit hours 37

Mechanical Engineering Technology

Mechanical Engineering Technology is a two-year AS degree program designed to provide the student with the needed skills to enter a career in the field of mechanical engineering as a technician, engineering assistant or an assistant to scientific personnel working with systems or processes which depend principally upon mechanical equipment.

A student will be considered as selected for this program when the student has an AS/AAS/Technical Certificate Graduation Status Sheet File Maintenance Form signed by the student and program director, on file.

Students with an adequate basic skills background will be required to enroll in the level of mathematics and/or English necessary to acquire program entry skills. The student's score on the entry test given during the orientation process will be used to determine readiness for program entry.

Completion of the Mechanical Engineering Technology program may lead to employment as a technician working with manufacturers or vendors of mechanical equipment/systems including heat transfer equipment, systems of pneumatic and hydraulic drives, mechanical power systems and in other areas requiring the application of principles, methods and techniques appropriate to the particular branch of mechanical engineering in which the technical is employed.

Contact Person: Director, Administrative Services for Technical Education, Downtown Campus Telephone (904) 633-8289

Cou	ommended rse uence	Course Number and Title	Credits
	General Educa	tion	
20 16 5 1 7 11 15		English Composition I College Algebra College Trigonometry General Physics I General Physics II	3 4 3
		d	redit hours 24
	Professional ar	d Other Required Courses	
6 9 2 8 4 10 14 17 3 13 19 12 18	EGN 1130C ENC 2210 ETD 1100C ETD 1645C ETE 1010C ETE 1020C ETG 2504C ETG 2536C ETI 1421C ETI 1700 ETI 2681 ETM 2221 ETM 2310C ETM 2610C	Descriptive Geometry. Technical Report Writing. Engineering Drawing. Mechanical and Electrical Dr DC Theory and Circuits. AC Theory and Circuits. Engineering Mechanics. Testing and Strength of Mate Engineering Materials and F Industrial Safety. Industrial Supervision. Elements of Applied Energy Fluid Mechanics. Air Conditioning and Heatin	3 rafting 3 3 3 4 erials 4 rocesses 3 3 3 3 3
		(credit hours 44
		Total o	credit hours 68
*Re	fer to AS Degree	e General Education Requireme	ents

Mechanical Engineering Technology

The Mechanical Engineering Technology one-year certificate program is designed to prepare students to work as "engineering aides" in various mechanical engineering areas. The aide may work under the supervision of a mechanical engineer or a trained technician. The aide may complete drawings from sketches, prepare working drawings, work in production control, the safety department, or in the maintenance department of a manufacturing or industrial organization.

A student will be considered selected for this program when the student has an AS/AAS/Technical Certificate Graduation Status Sheet File Maintenance Form signed by the student and program director, on file.

Students with an inadequate basic skills background will be required to enroll in the level of mathematics and/or English necessary to acquire program entry skills. The student's score on the entry test given during the orientation process will be used to determine readiness for program entry.

Graduates of this certificate program may opt to continue studies for the Associate in Science degree in Mechanical Engineering Technology.

Contact Person: Director, Administrative Services for Technical Education.

Downtown Campus Telephone (904) 633-8289

Cou	commended urse uence	Course Number and Title	Credits
General Education			
12 5 1 6	*Humanities . ENC 1101 MAC 1104 MAC 1114	English Composition I College Algebra	
	Professional ar	d Other Required Courses	
8 3 7 2 9 11 4 10	ENC 2210 ETD 1100C ETD 1645C ETE 1010C ETE 1020C ETG 2504C ETI 1421C ETI 1700	Technical Report Writing Engineering Drawing Mechanical and Electrical D DC Theory and Circuits AC Theory and Circuits Engineering Mechanics Engineering Materials and I Industrial Safety	3 rafting 3
			credit hours 25 = credit hours 38
*Re	efer to AS Degree	General Education Requirem	ents

Printing/Graphic Arts

The two-year AS program in Printing/Graphic Arts is designed to provide the student with a working knowledge of each of six major areas of the printing industry, and then to develop in the student occupational skills in the one area or process in which the student demonstrates aptitude and interest.

Lecture courses and hands-on laboratory experience will be provided for training in Hand and Machine Composition and Form Make-up; Letter Press Operation and Form Lockup; Cold Typesetting and Pasteup; Camera Operation and Film Processing; Negative Stripping and Offset Platemaking; and Offset Press Operation and Related Bindery Functions.

The program director, with the approval of the Occupational Education Dean, may require additional courses or make substitutions required to meet the needs of students.

Contact Person: Professor, Graphic Arts,

North Campus

Telephone (904) 757-6227 or

(904) 757-6351

Recommended	-	
Course Sequence	Course Number and Title	Credits
General Educa	tion	
*Social Science		3
*Humanities *Mathematics - ENC 1101	Natural Science	3 3 3
	cr	edit hours 18
Professional a	nd Other Required Courses	
GRA 1500	Theory of Printing Processes.	5
GRA 1502L	Printing Processes Lab	
GRA 1540	Layout and Design	
GRA 1503	Theory of Lithographic Proces	
GRA 1504L	Lithographic Processes Lab	
GRA 1706	Graphic Arts Estimating	
**GRA 2537L	Cold Type Typesetting and Pas	
***GRA 2538L	77 77	ng and
**GRA 2532L	Hand and Machine Composition	on and
***GRA 2533L	Advanced Composition and Ma	
**GRA 2571L	Camera Operation and Film F	
***GRA 2573L		and Film
**GRA 2601L	Negative Stripping and Offset Platemaking	
***GRA 2602L		t
**GRA 2635L	Offset Press Operation	3
***GRA 2638L	Advanced Offset Press Operat	ion 5
**GRA 2630L	Letterpress Press Operation a Lockup	3
	Advanced Letterpress Press O and Lockup	
GRA 2945	Practicum	
HES 2400	Standard First Aid and Person	
SES 1101	Beginning Typewriting II	-
		redit hours 43
	Total cr	redit hours 61
	e General Education Requirem quired to select one of these c	
	equired to select one of these	courses for five

^{****}Any course from AA Degree General Education listing

Television Production

This two-year program is designed to prepare students for a career as professional television production personnel.

The growth of the TV production industry in recent years has increased the demand for experienced professionals in private industry, public service, education, health services and cable TV, as well as a continuing need by networks, television stations and production companies. The professional TV production person has a broad range of interests, both artistic and technical. The professional has experience in many production facilities and with all the equipment normally associated with TV production. The professional can move easily from the production of commercials, to sports, to news and public affairs, to drama and game shows. Experience, versatility, and creativity place the professional far above the average production personnel and much in demand.

Contact Person: Professor, Journalism and Communications Media, Downtown Campus Telephone (904) 633-8244

Recommended Course Sequence	Course Number and Title	Credits
General Edu	cation	- · ·

*Social Science	:e	
ENC 1101	English Composition I	. . 3
MAT 1033	Intermediate Algebra	3
	Y 1000, PCB 2030 or PHY 1020	3
SPC 1010	Fundamentals of Speech	
THE 1000	Communication	
	cre	edit hours 21
Professional	and Other Required Courses	
ADV 2000	Advertising	9
ETE 1001	Fundamentals of General Elect	
JOU 1001	Introduction to Journalism	
MAN 2021	Principles of Management	3
MAR 1011	Principles of Marketing	3
MMC 2100	Writing for Mass Communicati	ione 3
RTV 1949	Co-op Work Experience	۲
RTV 2949	Co-op Work Experience	
RTV 2001C	Introduction to Broadcasting.	
RTV 2200C	An Introduction to Television	
******* 00000	Production	
RTV 2206C	Broadcast Direction	3
""Approved E	lectives	6
	cre	edit hours 39
	Total cre	edit hours 60
Refer to AS Degr *Approved Elect	ree General Education Requireme ives(Six semester hours from any c	ents of the following
**Approved : following:)	Electives: (Six semester hours f	rom any of the
		credit hour
ARH 1000	Art Appreciation	3
	Art Appreciation	
ARH 1000 ART 1600C CRW 2000	Photography I	3
ART 1600C		3
ART 1600C CRW 2000	Photography I	3
ART 1600C CRW 2000 ENC 1102	Photography I	3 3 3
ART 1600C CRW 2000 ENC 1102 ENC 2210 FIL 1505 MAN 2300	Photography I	3 3 3 3
ART 1600C CRW 2000 ENC 1102 ENC 2210 FIL 1505	Photography I Imaginative Writing English Composition II Technical Report Writing The Movies as Art	3 3 3 3

Health Education

Associate in Science

Dental Assisting

The object of this AS program is to prepare the student for a career in the field of dental assisting. The program will enable the student to demonstrate skills in dental assisting and the expanded duty functions of the dental auxiliary procedures, such as x-ray technique, dental material manipulation and identification, and the use and sterilization of dental instruments. Chairside assisting, application and use of medicaments, and assisting in the care of dental patients and General Education are also included. This program will qualify the graduate to take the national examination to become a Certified Dental Assistant and to be awarded an Associate in Science degree in Dental Assisting. A background in science and good manual dexterity are recommended.

Application:

Applicants must show evidence of good health and have an earned high school diploma or GED Certificate.

Dental Assisting is a selective access program. The program admits students once a year in the Fall Term.

An application for admission to the program must include the following:

- Application to Florida Junior College at Jacksonville.
- 2. Application to the Dental Assisting Program.
- 3. High School transcript or copy of General Education Development (GED) test.
- 4. College transcript (if any college work has been attempted).
- Crawford Small Parts Dexterity Test Score.
- 6. Official copy of Program admission test score.

Students admitted to the program must present a report of a complete physical examination made not more than 30 days prior to the enrollment for the first dental assisting course.

Any students who have academic deficiencies as determined by the Dean of Health Education will be scheduled into additional appropriate courses for correction of those deficiencies. This assessment may occur prior to or during the program.

Contact Person: Director, Dental Programs, North Campus

Recommended Course Sequence	Course Number and Title	Credits
General Educ	eation	
ENC 1101	English Composition I	3
SPC 1010	Fundamentals of Speech Communication	
HES 1000	Personal and Community Healt	h 3
PSY 1012	General Psychology	3
APB 1150	Life In Its Biological Environme	ent 3
HUM 2450	Humanities in the Americas	3
SSI 1120	Origins of American Society	3
	cre	dit hours 21
Professional	and Other Required Courses	
APB 1220C	Dental Assisting Anatomy and Physiology	4
HUN 1001	Principles of Nutrition	
DES 1110C	Dental Materials and Laborator	
DES 1220C	Dental Radiology (Dental Assis	
BB0 12200	Dental Hygiene)	
DEA 2800C	Clinical Practice I	
DEA 2801C	Clinical Practice II	6
DEA 2802C	Clinical Practice III	
DEA 2850C	Clinical Practice IV	5
DES 1002C	Oral Anatomy and Developmen	
DEA 2200	Office Management	3
DEA 1120	Science for Dental Assistants .	3
DEA 1000	History and Jurisprudence of Dentistry	1
DEA 1820C	Dental Assisting Expanded Dut	
		dit hours 43 = dit hours 64

Dental Assisting

The object of this Technical Certificate program is to prepare the student for a career in the field of dental assisting. The one-year (11 month) Certificate program will enable the student to demonstrate skills in dental assisting and the expanded duty functions of the dental auxiliary procedures, such as x-ray technique, dental material manipulation and identification, and the use and sterilization of dental instruments. Chairside assisting, application and use of medicaments, and assisting in the care of dental patients are also included. This program will qualify the graduate to take the national examination to become a Certified Dental Assistant.

Application:

Applicants must show evidence of good health and have an earned high school diploma or GED Certificate.

Dental Assisting is a selective access program. The program admits students once a year in the Fall Term.

An application for admission to the program must include the following:

- Application to Florida Junior College at Jacksonville.
- 2. Application to the Dental Assisting Program.
- 3. High School transcript or copy of General Education Development (GED) test.
- 4. College transcript (if any college work has been attempted).
- 5. Crawford Small Parts Dexterity Test Score.
- 6. Official copy of Program admission test score.

Students admitted to the program must present a report of a complete physical education made not more than 30 days prior to the enrollment for the first dental assisting course.

Any students who have academic deficiencies as determined by the Dean of Health Education will be scheduled into additional appropriate courses for correction of those deficiencies. This assessment may occur prior to or during the program.

Contact Person: Director, Dental Programs, North Campus Telephone (904) 757-6471

General Education **ENC 1101** SPC 1010 Fundamentals of Speech **HES 1000** Personal and Community Health 3 PSY 1012 General Psychology3 credit hours 12 Professional and Other Required Courses APB 1220C Dental Assisting Anatomy and Physiology4 **HUN 1001** Dental Materials and Laboratory 3 **DES 1110C DES 1220C** Dental Radiology (Dental Assisting/ Dental Hygiene)......3 **DEA 2800C DEA 2801C** Clinical Practice II 6 **DEA 2802C DEA 2850C DES 1002C** Oral Anatomy and Development.......2 **DEA 2200** Office Management 3 **DEA 1120 DEA 1000** History and Jurisprudence of Dentistry . . . 1 Dental Assisting Expanded Duties 2 **DEA 1820C** credit hours 43 Total credit hours 55

Course Number

Credits

and Title

Recommended Course

Sequence

Dental Hygiene

The AS program in Dental Hygiene offers the student an opportunity to learn the technical and clinical skills of dental hygiene. The curriculum includes General Education, technical, and clinical courses. Upon completion of the program, the student is prepared to take the dental hygiene licensure examinations. Upon successful completion of these examinations, the graduate will be licensed to practice in the field in dental hygiene.

Application:

Due to facility requirements and accreditation standards, admission to the program is limited. Applicants must show evidence of good health and have an earned high school diploma or GED Certificate. College preparatory biology and chemistry are requirements for admission to the Dental Hygiene Program. A background of science and mathematics and good manual dexterity are strongly recommended. Continuation in the program's second year is dependent upon maintaining a 2.00 average in the first year. A grade of C or above must be maintained in all Dental Hygiene courses. Present program of studies is subject to change.

Dental Hygiene is a selective access program. One class is admitted annually to this two-year AS degree program.

An application for admission to the program must include the following:

- Application to Florida Junior College at Jacksonville.
- 2. Application to the Dental Hygiene Program.
- High School transcript or copy of General Education Development (GED) test scores.
- College transcript (if any college work has been attempted).
- 5. Official copy of Program admission test score.

Students admitted to the program must present a report of a complete physical examination made not more than 30 days prior to the enrollment for the first dental hygiene course.

Any students who have academic deficiencies as determined by the Dean of Health Education will be scheduled into additional appropriate courses for correction of those deficiencies. This assessment may occur prior to or during the program.

Contact Person: Director, Dental Programs, North Campus Telephone (904) 757-6471

Recommended	
Course	Course Number
Sequence	and Title Credits
General Educ	eation
APB 2190C	Human Anatomy and Physiology I 3
APB 2191C	Human Anatomy and Physiology II 3
CHM 1040C	Introductory Chemistry I4
ENC 1101	English Composition I
MCB 2013C	Microbiology 4
PSY 1012	General Psychology 3
SPC 1010	Fundamentals of Speech
	Communication
SSI 1120	Origins of American Society 3
	_
	credit hours 29
Duofossianal	and Other Required Courses
Professional	
BCH 2010C	Bioorganic Chemistry for Allied Health Students4
DEH 1003C	Principles of Dental Hygiene5
DEH 1800C	Clinical Dental Hygiene I 6
DEH 1700	Dental Health Education
DEH 1802L	Clinical Dental Hygiene II
DES 2030	Oral Histology and Embryology 3
DES 2050	Pharmacology 2
DES 2042	Oral Pathology 2
DEH 2507C	Dental Hygienists Expanded Duties 2
DEH 2602	Periodontics
DEH 2702C	Community Dental Health 2
DEH 2804L	Clinical Dental Hygiene III8
DEH 2806L	Clinical Dental Hygiene IV 8
DEH 2930	Dental Hygiene Seminar I
DEH 2931	Dental Hygiene Seminar II 2
DES 1000C	Oral Anatomy3
DES 1220C	Dental Radiology (Dental Assisting/
	Dental Hygiene)3
HUN 1001	Principles of Nutrition
DES 1110C	Dental Materials and Laboratory 3
	credit hours 71
	= Total credit hours 100
*Refer to AS Degr	ree General Education Requirements

Emergency Medical Technology

This program is a combination of General Education, technical education and clinical skills. This program offers the student the opportunity to learn the technical skills of crisis emergency care necessary to support life in the field, at the scene, or during transit to an emergency care center.

Any students who have academic deficiencies, determined by the Dean of Health Education, will be scheduled into additional appropriate courses for correction of these deficiencies. This assessment may occur either prior to or during the program.

The schedule is designed to meet minimum requirements promulgated by the Health Program Office-Emergency Medical Service Section of the State of Florida.

Emergency Medical Technology courses must be taken in sequence with the designated prerequisite and corequisite courses. A grade of 2.00 must be earned in each professional course, Human Anatomy and Physiology, Microbiology and Chemistry.

Application:

Applicants to the Emergency Medical Technology Program must have an earned high'school diploma or GED Certificate; be accepted for admission to Florida Junior College at Jacksonville; be currently enrolled, or a former student of FJC; must have reached the age of 18 years; submit official copy of Program admission test score; and must have a minimum of a one-year certification and/or registry as a paraprofessional in the health care field or have satisfactorily completed EMS 1059.

NOTE: It is recommended that students have a conference with the EMT counselor prior to applying to the Emergency Medical Technology Program.

Contact Person: Coordinator, Emergency Medical Technology, North Campus Telephone (904) 757-6412

Recommended Course Sequence	Course Number and Title	Credits
General Educ	estion	
*Humanities . AMH 2010	United States History I	
EUH 1001	Western Civilization	3
POS 2041	American Federal Government or	
SSI 1120 APB 2190C APB 2191C CHM 1020	Origins of American Society Human Anatomy and Physiolo Human Anatomy and Physiolo Chemistry for Liberal Arts or	gy I 3 gy II 3
CHM 1040C ENC 1101 MCB 2013C	Introductory Chemistry I English Composition I Microbiology	3
	cre	edit hours 22
Professional	and Other Required Courses	
EMS 1119	Fundamentals of Emergency M	
EMS 1119L	Fundamentals of Emergency M Care Clinical Experience	[edical
EMS 2231 EMS 2231L	EMT-Paramedic Phase I EMT-Paramedic Phase I – Lab. Clinical	
EMS 2232	EMT-Paramedic Phase II	
EMS 2232L	EMT-Paramedic Phase II - Lat Clinical	o/
EMS 2233 EMS 2233L	EMT-Paramedic Phase III EMT-Paramedic Phase III – La	4 b/
**Approved El	Clinicalectives	
	cre	dit hours 39
		dit hours 61
*Refer to AS Degre	e General Education Requireme	nts
**Approved I	lectives:	
SYG 2000 DEP 2004 PSY 1012 ENC 1102 EMS 1059	Introductory Sociology	ent3 3 3 !are

Emergency Medical Technology

A student may obtain a Technical Certificate in Emergency Medical Technology by completing the courses identified in the program layout. The Emergency Medical Technology Certificate Program is designed to prepare the student for employment in an advance life-support ambulance, in hospital emergency departments, and intensive care units. Graduates of the one-year Technical Certificate Program may elect to continue for the Associate in Science degree in Emergency Medical Technology.

Any students who have academic deficiencies, determined by the Dean of Health Education, will be scheduled into additional appropriate courses for correction of these deficiencies. This assessment may occur either prior to or during the program.

The schedule is designed to meet minimum requirements promulgated by the Health Program Office-Emergency Medical Service Section of the State of Florida.

Emergency Medical Technology courses must be taken in sequence with the designated prerequisite and corequisite courses. A grade of 2.00 must be earned in each professional course and Human Anatomy and Physiology.

Application:

Applicants to the Emergency Medical Technology Program must have an earned high school diploma or GED Certificate, be accepted for admission to Florida Junior College at Jacksonville, be currently enrolled, or a former student of FJC; must have reached the age of 18 years; submit official copy of Program admission test score; and the applicant must have a minimum of a one-year certification and/or registry as a para-professional in the health care field or have satisfactorily completed EMS 1059.

NOTE: It is recommended that students have a conference with the EMT counselor prior to applying to the Emergency Medical Technology Program.

Contact Person: Coordinator, Emergency Medical Technology, North Campus Telephone (904) 757-6412

Recommended Course Sequence	Course Number and Title	Credits
General Educ	cation	
APB 2190C APB 2191C	Human Anatomy and Physiol Human Anatomy and Physiol	ogy I3 ogy II3
	•	redit hours 6
Professional	and Other Required Courses	
EMS 1119	Fundamentals of Emergency l	6
EMS 1119L	Fundamentals of Emergency Care Clinical Experience	, , . , 2
EMS 2231	EMT-Paramedic Phase I	
EMS 2231L	EMT-Paramedic Phase I - La Clinical	3
EMS 2232	EMT-Paramedic Phase II	
EMS 2232L	EMT-Paramedic Phase II – L. Clinical	3
EMS 2233	EMT-Paramedic Phase III	4
EMS 2233L	EMT-Paramedic Phase III – I Clinical	
	c	redit hours 33
	Thtal c	redit hours 39

Medical Laboratory Technology

The goal of the AS program in Medical Laboratory Technology is to offer the student an opportunity to learn the technical skills of medical laboratory science. The curriculum includes general education, technical, and clinical courses.

Application:

Medical Laboratory Technology is a selective access program, and admission to the program is limited. Applicants must show evidence of good health and have an earned high school diploma or GED Certificate. Program admission procedures may be obtained from the Director of Medical Laboratory Technology, North Campus. Prior to registration for each term, all students must have academic advisement by the program director.

Students who have academic deficiencies and/or requirements as determined by the Dean of Health Education will be placed in additional appropriate courses for the correction of these deficiencies and/or requirements. This assessment may occur either prior to or during the program.

Students must earn a grade of C or better in the medical laboratory courses and complete all campus-based courses with a grade point average of 2.00 or better before entering the clinical phase of their education. The program conforms to the requirements of the National Association for Accrediting Clinical Laboratory Science, AMA Council on Medical Education.

In order to be employed in a medical laboratory in Florida, program graduates must pass the Florida State Licensure Examination for Medical Technicians. Program graduates are eligible for the Florida State Licensure Examination for Medical Technologists.

Contact Person: Director, Medical Laboratory Technology, North Campus Telephone (904) 757-6211

Recommended Course Sequence	Course Number and Title	Credits
General Educa	ation	
*Humanities *Social Science	*****	3
**CHM 1040C	Introductory Chemistry I	
**CHM 1041C	Introductory Chemistry II	4
ENC 1101	English Composition I	3
MAC 1104	College Algebraor	
MAT 1033	Intermediate Algebra	3
MCB 2013C	Microbiology	4
	cred	dit hours 24
Professional a	nd Other Required Courses	
MLS 1010C MLS 1400C	Hematology Medical Microbiology	
MLS 2530C	Serology and Blood Banking	6
MLS 2600C	Principles of Clinical Instrumen	tation 5
MLS 2610C	Clinical Chemistry	6
MLS 2802	Clinical Practicum I	12
MLS 2803	Clinical Diagnosis	
MLS 2804	Clinical Practicum II	12
	cred	lit hours 58
	Total cred	lit hours 82
#D-6 4 4C 1	Garage Bridge Co. B.	
	General Education Requirements alify may substitute CHM 104	

Nursing

The AS program of study is a combination of General Education and nursing education. Nursing courses are based on the concept of the wellness-illness continuum. It is this concept that the faculty accepts as the framework for unifying all experiences within the program. Graduates of the program are prepared to function as beginning nurse practitioners in giving direct care to patients. Upon completion of the program, graduates are awarded an Associate in Science Degree in Nursing and are eligible to apply to write the National Council Licensure Examination to qualify for licensure to practice as Registered Nurses.

Application:

Nursing is a selective access program, and admission to the program is limited. Applicants are admitted into the program three times a year: Fall Term, Winter Term, Summer Term. A brochure outlining costs, admission requirements, cut-off dates, and procedures is available from the nursing counselor, North Campus, and from the student development offices at North, South, Kent, or the Downtown Campuses. Approximately three weeks prior to the beginning of each term, letters are sent to each applicant indicating admission status. Both single and married men and women may be admitted to the program. There is no age limit.

Applicants to the Nursing Program must:

- Have an earned high school diploma or GED Certificate.
- 2. Be accepted for admisssion to Florida Junior College at Jacksonville, be currently enrolled at FJC, or a former student of FJC.
- 3. Have completed a course in chemistry with a minimum grade of C in high school or college.
- 4. Have six college credits in anatomy and physiology with a minimum grade of C earned. Students with a GPA (all college cumulative) of 2.5 or above may be permitted to take APB 2191C concurrently with NUR 1040C with permission of the Dean or Director. A minimum grade of C is required in all science courses.
- 5. Submit evidence of current Basic Life Support (CPR) Certification.
- 6. Submit official copy of Program admission test score.

NOTE: It is recommended that students have a conference with the nursing counselor prior to applying to the Nursing Program.

Contact Person: Director, Nursing Program, North Campus

ourse equence	Course Number and Title	Credits
General Educ	cation	
*Social Science	e	
APB 2190C	Human Anatomy and Physiolo	
APB 2191C	Human Anatomy and Physiolo	
DEP 2004	Human Growth and Developme	
ENC 1101	English Composition 1	
ENC 1102	English Composition II	
MCB 2013C	Microbiology	4
PSY 1012	General Psychology	3
SYG 2000	Introductory Sociology	
	cre	edit hours 31
Professional	and Other Required Courses	
NUR 1040C	Nursing Process I – Fundamet	
NUR 1200C	Nursing Process II – Medical-	
NUR 2133C	Nursing Process IIIA - Nursing	
	of the Childbearing Family.	
	Nursing Process IIIB - Nursing	ng Care
NUR 2120C		-Б
	of Children	6
NUR 2120C NUR 2220C	Nursing Process IVA – Medica Nursing Care	6 al-Surgical
NUR 2220C	Nursing Process IVA – Medica Nursing Care of the the Adult Patient	
	Nursing Process IVA – Medica Nursing Care of the the Adult Patient Nursing Process IVB – Psychi	al-Surgical9 atric
NUR 2220C	Nursing Process IVA – Medica Nursing Care of the the Adult Patient	al-Surgical9 atric
NUR 2220C	Nursing Process IVA - Medica Nursing Care of the the Adult Patient Nursing Process IVB - Psychi Nursing	al-Surgical9 atric

Bridge Option for Licensed Practical Nurses

The Bridge Option of the Associate in Science Degree Nursing Program is designed for and limited to persons who are currently Florida Licensed Practical Nurses. Through the use of this option Licensed Practical Nurses may take specified nursing courses from a modified program of study designed to meet the needs of the L.P.N. enrolled in the Associate Degree Nursing Program.

The program of study is a combination of General Education and nursing education. Nursing courses are based on the concept of the wellness-illness continuum. Graduates are prepared to function as beginning nurse practitioners in giving direct care to patients. Upon completion of the program, graduates are awarded an Associate in Science Degree in Nursing and are eligible to write the National Council Licensure Examination to qualify for licensure to practice as Registered Nurses.

Application:

The Associate in Science Degree Nursing Program Bridge Option is a selective access program, and admission is limited. The Summer Term is designated as the entry point for Licensed Practical Nurses who wish to enter the Associate in Science Degree Nursing Program through the Bridge Option. A brochure outlining costs, admission requirements, cut-off dates, and procedures is available from the Nursing Counselor, North Campus, and from the Student Development office at North, South, Kent, or the Downtown Campuses. Approximately three weeks prior to the beginning of Summer Term, letters are sent to each applicant indicating admission status. Both single and married men and women may be admitted to the program. There is no age limit.

Deadline date for application: Completed applications for LPN's electing to use the Bridge Option of the Associate Degree Nursing Program must be received by February 28th for admission during Summer Term.

Application Prerequisites:

Applicants who elect to use the Bridge Option must:

- 1. Submit evidence of current Florida Licensed Practical Nurse Licensure.
- 2. Submit documentation of a minimum of 6 months of work experience as a Licensed Practical Nurse within the last two years.
- 3. Have completed a course in chemistry with a minimum grade of C in high school or college.
- 4. Have completed the following FJC courses with a cumulative grade point average of at least 2.0:

*APB 2190C Human Anatomy and
Physiology I
*APB 2191C Human Anatomy and
Physiology II
*MCB 2013C Microbiology
DEP 2004 Human Growth and
Development
ENC 1101 English Composition I
ENC 1102 English Composition II
PSY 1012 General Psychology

Any one of the following courses:

- **Humanities

 **Social Science

 SYG 2000......Introductory Sociology
- 5. Submit evidence of current Basic Life Support (CPR) certification
- 6. Official copy of Program admission test score.

NOTE: It is recommended that students have a conference with the nursing counselor prior to applying to the Nursing Program.

Contact Person: Director, Nursing Program, North Campus Telephone: (904) 757-6281

Recommended Course Sequence	Course Number and Title	Credits
General Educ	cation	
Humanities	*************************************	3
	ce , . , . ,	
APB 2190C	Human Anatomy and Physiolo	gy I 3
APB 2191C	Human Anatomy and Physiolo	gy II 3
DEP 2004	Human Growth and Developme	ent3
ENC 1101	English Composition I	3
ENC 1102	English Composition II	3
MCB 2013C	Microbiology	4
PSY 1012	General Psychology	3
SYG 2000	Introductory Sociology	3
	cre	dit hours 31
Professional	and Other Required Courses	
Advanced Plac	ement (Validated)	14
NUR 1052C	Transitional Nursing Process I	12
NUR 1059C	Transitional Nursing Process I	1 6
NUR 2220C	Nursing Process IVA - Medica	
	Surgical Nursing Care of the	
	Patient	
NUR 2310C	Nursing Process IVB - Psychia	
	Nursing	
		_
	cre	dit hours 44

	Total cre	dit hours 75
Minimum grade	of C required in science courses	

Radiologic Technology

This AS program offers advanced training and supporting science and general education to persons who are currently Registered Radiologic Technologists. It is an advanced Associate in Science degree program in Radiologic Technology.

Radiologic Technology is a selective access program, and only persons currently on the American Registry of Radiologic Technologists are eligible to enroll in this program. Upon enrollment and presentation of current ARRT Registry, degree-seeking students will be granted 30 semester hours toward the total of 63 semester hours required for the degree.

Contact Person: Coordinator, Radiologic Technology, North Campus Telephone (904) 757-6412

Course Sequence	Course Number and Title	Credits
General Educ	ation	
*Social Science	3	3
*Humanities.		3
APB 2190C	Human Anatomy and Physiolo	gy I3
APB 2191C	Human Anatomy and Physiolo	gy Ii 3
MAT 1033	Intermediate Algebra	3
ENC 1101	English Composition I	3
	cre	dit hours 18
Professional	and Other Required Courses	
RTE 2202	Radiologic Management and	
ICID LLOD	Education	3
RTE 2587	Advanced Developments in	
	Radiologic Technology	
Credit Grante	d for ARRT Registry	30
**Approved E	lectives	9
		edit hours 45
	cro	cr amon inse
	Total cr	edit hours 63
*Refer to AS Degr	ree General Education Requireme	ents
*Refer to AS Degi		ents credit hours
**Approved	Electives:	credit hour
		credit hour
**Approved ENC 1102	Electives: English Composition II Human Relations Microbiology	credit hours
**Approved ENC 1102 SOP 1002	Electives: English Composition II Human Relations Microbiology Physics for Liberal Arts	credit hours
**Approved ENC 1102 SOP 1002 MCB 2013C	Electives: English Composition II Human Relations Microbiology Physics for Liberal Arts Chemistry for Liberal Arts	credit hours
**Approved ENC 1102 SOP 1002 MCB 2013C PHY 1020 CHM 1020 COC 1300	Electives: English Composition II Human Relations Microbiology Physics for Liberal Arts Chemistry for Liberal Arts Introductory Computer Concep	credit hours
**Approved ENC 1102 SOP 1002 MCB 2013C PHY 1020 CHM 1020	Electives: English Composition II Human Relations Microbiology Physics for Liberal Arts Chemistry for Liberal Arts Introductory Computer Conceptuals of	credit hours
**Approved ENC 1102 SOP 1002 MCB 2013C PHY 1020 CHM 1020 COC 1300	Electives: English Composition II Human Relations Microbiology Physics for Liberal Arts Chemistry for Liberal Arts Introductory Computer Concep	credit hours

Respiratory Therapy

This AS program is designed to help the student to learn the skills of a respiratory therapist. Graduates of this program are eligible to take the national examination, given by the National Board for Respiratory Therapy, to become Registered Respiratory Therapists.

The curriculum includes technical courses, clinical practicum, and General Education. Graduation from the program is dependent upon receiving a grade of C or above in all required science, mathematics, and respiratory therapy courses.

Application:

Respiratory Therapy is a selective access program, and admission to this two-year AS degree program is limited. Applicants must have an earned high school diploma or GED Certificate. A background in science and mathematics is strongly recommended. The program admits students one time per year: fall term.

Contact Person: Coordinator Respiratory Therapy, North Campus Telephone (904) 757-6412

Professional and Other Required Courses APB 1260 Cardiopulmonary Anatomy and Physiology APB 1650 Pharmacology for the Respiratory Therapist APB 2293 Pulmonary Pathology RET 1024 Fundamentals of Respiratory Therapy RET 1244 Emergencies and the Respiratory Therapist RET 1276 Clinical Skills for the Respiratory Therapist RET 1824 Orientation to the Hospital Environment RET 2264 Ventilatory Management RET 2272L Respiratory Therapy Clinical Applications RET 2273C Clinical Seminar in Intensive Respiratory Care I RET 2274L Respiratory Intensive Care Practicum I RET 2284C Clinical Seminar in Intensive Respiratory Care II RET 2285L Respiratory Intensive Care Practicum II RET 2414 Pulmonary Function Studies RET 2434 Arterial Blood Gases and Critical Care Monitoring RET 2543 Pulmonary Rehabilitation RET 2714 Neonatal and Pediatric Respiratory Care credit hours	lecommended Course Jequence	Course Number and Title	Credits
*Social Science APB 2190C Human Anatomy and Physiology I. APB 2191C Human Anatomy and Physiology II. CHM 1040C Introductory Chemistry I. ENC 1101 English Composition I MAT 1033 Intermediate Algebra. MCB 2013C Microbiology PHY 1020 Physics for Liberal Arts. PSY 1012 General Psychology credit hours Professional and Other Required Courses APB 1260 Cardiopulmonary Anatomy and Physiology APB 1650 Pharmacology for the Respiratory Therapist. APB 2293 Pulmonary Pathology. RET 1024 Fundamentals of Respiratory Therapist RET 1276 Clinical Skills for the Respiratory Therapist RET 1824 Orientation to the Hospital Environment RET 2272L Respiratory Management. RET 2272L Respiratory Therapy Clinical Applications RET 2273C Clinical Seminar in Intensive Respiratory Care I. RET 2284C Clinical Seminar in Intensive Respiratory Care II. RET 2285L Respiratory Intensive Care Practicum II. RET 2414 Pulmonary Function Studies. RET 2434 Arterial Blood Gases and Critical Care Monitoring RET 2543 Pulmonary Rehabilitation. RET 25714 Neonatal and Pediatric Respiratory Care	General Educa	ation	
APB 2190C Human Anatomy and Physiology I. APB 2191C Human Anatomy and Physiology II. CHM 1040C Introductory Chemistry I. ENC 1101 English Composition I. MAT 1033 Intermediate Algebra. MCB 2013C Microbiology PHY 1020 Physics for Liberal Arts. PSY 1012 General Psychology Credit hours Professional and Other Required Courses APB 1260 Cardiopulmonary Anatomy and Physiology APB 1650 Pharmacology for the Respiratory Therapist. APB 2293 Pulmonary Pathology. RET 1024 Fundamentals of Respiratory Therapy Emergencies and the Respiratory Therapist. RET 1276 Clinical Skills for the Respiratory Therapist RET 1824 Orientation to the Hospital Environment RET 2264 Ventilatory Management RET 2272L Respiratory Therapy Clinical Applications RET 2273C Clinical Seminar in Intensive Respiratory Care I. RET 2284C Clinical Seminar in Intensive Respiratory Care I. RET 2285L Respiratory Care I. RET 2284 Respiratory Care II. RET 2285L Respiratory Care II. RET 2285L Respiratory Care II. RET 2414 Pulmonary Function Studies. RET 2414 Pulmonary Function Studies. RET 2434 Arterial Blood Gases and Critical Care Monitoring RET 2543 Pulmonary Rehabilitation. RET 2714 Neonatal and Pediatric Respiratory Care Credit hours	*Humanities		3
CHM 1040C CHM 1040C CHM 1040C CHM 1040C CHM 1033 Intermediate Algebra MCB 2013C PHY 1020 Physics for Liberal Arts PSY 1012 General Psychology Professional and Other Required Courses APB 1260 Cardiopulmonary Anatomy and Physiology APB 1650 Pharmacology for the Respiratory Therapist APB 2293 Pulmonary Pathology RET 1024 RET 1244 Emergencies and the Respiratory Therapist RET 1276 Clinical Skills for the Respiratory Therapist RET 1284 Orientation to the Hospital Environment RET 2272L Respiratory Therapy Clinical Applications RET 2273C Clinical Seminar in Intensive Respiratory Intensive Care Practicum I RET 2284C Respiratory Intensive Care Practicum II RET 2414 Respiratory Intensive Care Practicum II RET 2434 Arterial Blood Gases and Critical Care Monitoring RET 2543 Pulmonary Rehabilitation RET 2714 Neonatal and Pediatric Respiratory Care Credit hours	*Social Science	************************	3
CHM 1040C Introductory Chemistry I. ENC 1101 English Composition I MAT 1033 Intermediate Algebra. MCB 2013C Microbiology PHY 1020 Physics for Liberal Arts. PSY 1012 General Psychology credit hours Professional and Other Required Courses APB 1260 Cardiopulmonary Anatomy and Physiology APB 1650 Pharmacology for the Respiratory Therapist. APB 2293 Pulmonary Pathology. RET 1024 Fundamentals of Respiratory Therapy Therapist RET 1276 Clinical Skills for the Respiratory Therapist RET 1824 Orientation to the Hospital Environment RET 2272L Respiratory Therapy Clinical Applications RET 2273C Clinical Seminar in Intensive Respiratory Care I. RET 2284C Clinical Seminar in Intensive Respiratory Care II RET 2285L Respiratory Intensive Care Practicum II RET 2414 Pulmonary Function Studies RET 2434 Arterial Blood Gases and Critical Care Monitoring RET 2714 Neonatal and Pediatric Respiratory Care credit hours		Human Anatomy and Physiol	ogy I 3
ENC 1101 English Composition I MAT 1033 Intermediate Algebra MCB 2013C Microbiology PHY 1020 Physics for Liberal Arts PSY 1012 General Psychology credit hours Professional and Other Required Courses APB 1260 Cardiopulmonary Anatomy and Physiology APB 1650 Pharmacology for the Respiratory Therapist APB 2293 Pulmonary Pathology RET 1024 Fundamentals of Respiratory Therapy Therapist RET 1276 Clinical Skills for the Respiratory Therapist RET 1824 Orientation to the Hospital Environment RET 2272L Respiratory Therapy Clinical Applications RET 2273C Clinical Seminar in Intensive Respiratory Care I RET 2284C Clinical Seminar in Intensive Respiratory Care I RET 2285L Respiratory Intensive Care Practicum II RET 2414 Pulmonary Function Studies RET 2434 Arterial Blood Gases and Critical Care Monitoring RET 2714 Neonatal and Pediatric Respiratory Care credit hours		Human Anatomy and Physiol	ogy II 3
MAT 1033 Intermediate Algebra MCB 2013C Microbiology PHY 1020 Physics for Liberal Arts PSY 1012 General Psychology credit hours Professional and Other Required Courses APB 1260 Cardiopulmonary Anatomy and Physiology APB 1650 Pharmacology for the Respiratory Therapist APB 2293 Pulmonary Pathology RET 1024 Fundamentals of Respiratory Therapy Therapist RET 1276 Clinical Skills for the Respiratory Therapist RET 1284 Orientation to the Hospital Environment RET 2264 Ventilatory Management RET 2272L Respiratory Therapy Clinical Applications RET 2273C Clinical Seminar in Intensive Respiratory Gare I RET 2284C Clinical Seminar in Intensive Respiratory Care I RET 2285L Respiratory Care I RET 2414 Pulmonary Function Studies RET 2434 Arterial Blood Gases and Critical Care Monitoring RET 2543 Pulmonary Rehabilitation RET 2714 Neonatal and Pediatric Respiratory Care Credit hours			
MCB 2013C Microbiology PHY 1020 Physics for Liberal Arts PSY 1012 General Psychology credit hours Professional and Other Required Courses APB 1260 Cardiopulmonary Anatomy and Physiology APB 1650 Pharmacology for the Respiratory Therapist APB 2293 Pulmonary Pathology RET 1024 Fundamentals of Respiratory Therapy RET 1244 Emergencies and the Respiratory Therapist RET 1276 Clinical Skills for the Respiratory Therapist RET 1824 Orientation to the Hospital Environment RET 2264 Ventilatory Management RET 2272L Respiratory Therapy Clinical Applications RET 2273C Clinical Seminar in Intensive Respiratory Care I RET 2274L Respiratory Intensive Care Practicum I RET 2284C Clinical Seminar in Intensive Respiratory Care II RET 2285L Respiratory Intensive Care Practicum II RET 2414 Pulmonary Function Studies RET 2434 Arterial Blood Gases and Critical Care Monitoring RET 2543 Pulmonary Rehabilitation RET 2714 Neonatal and Pediatric Respiratory Care Credit hours			
PHY 1020 Physics for Liberal Arts PSY 1012 General Psychology credit hours Professional and Other Required Courses APB 1260 Cardiopulmonary Anatomy and Physiology APB 1650 Pharmacology for the Respiratory Therapist APB 2293 Pulmonary Pathology RET 1024 Fundamentals of Respiratory Therapy Therapist RET 1276 Clinical Skills for the Respiratory Therapist RET 1276 Clinical Skills for the Respiratory Therapist RET 1824 Orientation to the Hospital Environment RET 2264 Ventilatory Management RET 2272L Respiratory Therapy Clinical Applications RET 2273C Clinical Seminar in Intensive Respiratory Care I RET 2284C Respiratory Intensive Care Practicum I RET 2285L Respiratory Care II RET 2285L Respiratory Intensive Care Practicum II RET 2414 Pulmonary Function Studies RET 2434 Arterial Blood Gases and Critical Care Monitoring RET 2543 Pulmonary Rehabilitation RET 2714 Neonatal and Pediatric Respiratory Care credit hours		Intermediate Algebra	3
redit hours Professional and Other Required Courses APB 1260 Cardiopulmonary Anatomy and Physiology APB 1650 Pharmacology for the Respiratory Therapist APB 2293 Pulmonary Pathology. RET 1024 Fundamentals of Respiratory Therapy. RET 1244 Emergencies and the Respiratory Therapist RET 1276 Clinical Skills for the Respiratory Therapist RET 1824 Orientation to the Hospital Environment RET 2264 Ventilatory Management RET 2272L Respiratory Therapy Clinical Applications RET 2273C Clinical Seminar in Intensive Respiratory Care I RET 2274L Respiratory Intensive Care Practicum I RET 2284C Clinical Seminar in Intensive Respiratory Care II RET 2285L Respiratory Care II RET 2414 Pulmonary Function Studies RET 2434 Arterial Blood Gases and Critical Care Monitoring RET 2543 Pulmonary Rehabilitation RET 2714 Neonatal and Pediatric Respiratory Care credit hours		Microbiology	4
Professional and Other Required Courses APB 1260 Cardiopulmonary Anatomy and Physiology APB 1650 Pharmacology for the Respiratory Therapist APB 2293 Pulmonary Pathology RET 1024 Fundamentals of Respiratory Therapy Therapist RET 1276 Clinical Skills for the Respiratory Therapist RET 1824 Orientation to the Hospital Environment RET 2264 Ventilatory Management RET 2272L Respiratory Therapy Clinical Applications RET 2273C Clinical Seminar in Intensive Respiratory Care I RET 2284C Clinical Seminar in Intensive Respiratory Care II RET 2285L Respiratory Care II RET 2286L Respiratory Intensive Care Practicum II RET 2414 Pulmonary Function Studies RET 2434 Arterial Blood Gases and Critical Care Monitoring RET 2543 Pulmonary Rehabilitation RET 2714 Neonatal and Pediatric Respiratory Care Credit hours			
Professional and Other Required Courses APB 1260 Cardiopulmonary Anatomy and Physiology APB 1650 Pharmacology for the Respiratory Therapist APB 2293 Pulmonary Pathology. RET 1024 Fundamentals of Respiratory Therapy RET 1244 Emergencies and the Respiratory Therapist RET 1276 Clinical Skills for the Respiratory Therapist RET 1824 Orientation to the Hospital Environment RET 2264 Respiratory Therapy Clinical Applications RET 2272L Respiratory Therapy Clinical Applications RET 2273C Clinical Seminar in Intensive Respiratory Care 1 RET 2274L Respiratory Intensive Care Practicum I. RET 2284C Clinical Seminar in Intensive Respiratory Care II RET 2285L Respiratory Care II RET 22414 Pulmonary Function Studies RET 2434 Arterial Blood Gases and Critical Care Monitoring RET 2543 Pulmonary Rehabilitation RET 2714 Neonatal and Pediatric Respiratory Care credit hours	PSY 1012	General Psychology	3
APB 1260 Cardiopulmonary Anatomy and Physiology APB 1650 Pharmacology for the Respiratory Therapist APB 2293 Pulmonary Pathology RET 1024 Fundamentals of Respiratory Therapy RET 1244 Emergencies and the Respiratory Therapist RET 1276 Clinical Skills for the Respiratory Therapist RET 1824 Orientation to the Hospital Environment RET 2264 Ventilatory Management RET 2272L Respiratory Therapy Clinical Applications RET 2273C Clinical Seminar in Intensive Respiratory Care I RET 2274L Respiratory Intensive Care Practicum I RET 2284C Clinical Seminar in Intensive Respiratory Care II RET 2285L Respiratory Intensive Care Practicum II RET 2414 Pulmonary Function Studies RET 2434 Arterial Blood Gases and Critical Care Monitoring RET 2543 Pulmonary Rehabilitation RET 2714 Neonatal and Pediatric Respiratory Care credit hours		cr	redit hours 32
Physiology APB 1650 Pharmacology for the Respiratory Therapist APB 2293 Pulmonary Pathology RET 1024 Emergencies and the Respiratory Therapist RET 1244 Emergencies and the Respiratory Therapist RET 1276 Clinical Skills for the Respiratory Therapist RET 1824 Orientation to the Hospital Environment RET 2264 Ventilatory Management RET 2272L Respiratory Therapy Clinical Applications RET 2273C Clinical Seminar in Intensive Respiratory Care I RET 2274L Respiratory Intensive Care Practicum I RET 2284C Clinical Seminar in Intensive Respiratory Care II RET 2285L Respiratory Care II RET 22414 Respiratory Intensive Care Practicum II RET 2414 Pulmonary Function Studies RET 2434 Arterial Blood Gases and Critical Care Monitoring RET 2543 Pulmonary Rehabilitation RET 2714 Neonatal and Pediatric Respiratory Care Credit hours	Professional a	nd Other Required Courses	
APB 1650 Pharmacology for the Respiratory Therapist APB 2293 Pulmonary Pathology. RET 1024 Emergencies and the Respiratory Therapist RET 1244 Emergencies and the Respiratory Therapist RET 1276 Clinical Skills for the Respiratory Therapist RET 1824 Orientation to the Hospital Environment RET 2264 Ventilatory Management RET 2272L Respiratory Therapy Clinical Applications RET 2273C Clinical Seminar in Intensive Respiratory Intensive Care Practicum I. RET 2284C Clinical Seminar in Intensive Respiratory Care II RET 2285L Respiratory Care II RET 2285L Respiratory Intensive Care Practicum II RET 2414 Pulmonary Function Studies RET 2434 Arterial Blood Gases and Critical Care Monitoring RET 2543 Pulmonary Rehabilitation Neonatal and Pediatric Respiratory Care credit hours	APB 1260		
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Therapist RET 1276 Clinical Skills for the Respiratory Therapist RET 1824 Orientation to the Hospital Environment RET 2264 RET 2272L Respiratory Management RET 2273C Clinical Seminar in Intensive Respiratory Care 1 RET 2274L RESpiratory Intensive Care Practicum I RET 2284C Clinical Seminar in Intensive Respiratory Care II RET 2285L RESpiratory Care II RET 2285L RESpiratory Intensive Care Practicum II RET 2414 Pulmonary Function Studies Arterial Blood Gases and Critical Care Monitoring RET 2543 Pulmonary Rehabilitation RET 2714 Neonatal and Pediatric Respiratory Care credit hours			
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RET 1824 Orientation to the Hospital Environment RET 2264 Ventilatory Management RET 2272L Respiratory Therapy Clinical Applications RET 2273C Clinical Seminar in Intensive Respiratory Care I RET 2274L Respiratory Intensive Care Practicum I RET 2284C Clinical Seminar in Intensive Respiratory Intensive Care Practicum II RET 2285L Respiratory Care II RET 2414 Respiratory Intensive Care Practicum II RET 2414 Pulmonary Function Studies RET 2434 Arterial Blood Gases and Critical Care Monitoring RET 2543 Pulmonary Rehabilitation Neonatal and Pediatric Respiratory Care credit hours	RE1 12/0		
Environment RET 2264 RET 2272L Respiratory Therapy Clinical Applications RET 2273C Clinical Seminar in Intensive Respiratory Intensive Care Practicum I. RET 2284C Clinical Seminar in Intensive Respiratory Intensive Care Practicum I. RET 2285L RESPIRATORY Intensive Care Practicum II RET 2414 Pulmonary Function Studies RET 2434 Arterial Blood Gases and Critical Care Monitoring RET 2543 Pulmonary Rehabilitation RET 2714 Neonatal and Pediatric Respiratory Care credit hours	DET 1004		4
RET 2264 RET 2272L Respiratory Therapy Clinical Applications RET 2273C Clinical Seminar in Intensive Respiratory Care I RET 2274L Respiratory Intensive Care Practicum I RET 2284C Clinical Seminar in Intensive Respiratory Care II RET 2285L Respiratory Intensive Care Practicum II RET 2414 Pulmonary Function Studies Arterial Blood Gases and Critical Care Monitoring RET 2543 RET 2714 Neonatal and Pediatric Respiratory Care credit hours	REI 1024		0
RET 2272L Respiratory Therapy Clinical Applications RET 2273C Clinical Seminar in Intensive Respiratory Care I RET 2274L Respiratory Intensive Care Practicum I RET 2284C Clinical Seminar in Intensive Respiratory Care II RET 2285L Respiratory Care II RET 2414 Pulmonary Function Studies Practicum II RET 2434 Arterial Blood Gases and Critical Care Monitoring RET 2543 Pulmonary Rehabilitation RET 2714 Neonatal and Pediatric Respiratory Care credit hours	PFT 9964		
Applications RET 2273C Clinical Seminar in Intensive Respiratory Care I. RET 2274L Respiratory Intensive Care Practicum I. RET 2284C Clinical Seminar in Intensive Respiratory Care II RET 2285L Respiratory Care II RET 2285L Practicum II RET 2414 Pulmonary Function Studies. RET 2434 Arterial Blood Gases and Critical Care Monitoring RET 2543 Pulmonary Rehabilitation RET 2714 Neonatal and Pediatric Respiratory Care credit hours			4
RET 2273C Clinical Seminar in Intensive Respiratory Care I. RET 2274L Respiratory Intensive Care Practicum I. RET 2284C Clinical Seminar in Intensive Respiratory Care II RET 2285L Respiratory Intensive Care Practicum II. RET 2414 Pulmonary Function Studies. RET 2434 Arterial Blood Gases and Critical Care Monitoring RET 2543 Pulmonary Rehabilitation. RET 2714 Neonatal and Pediatric Respiratory Care credit hours	HUI ZZIZL		c
Respiratory Care I RET 2274L Respiratory Intensive Care Practicum I RET 2284C Clinical Seminar in Intensive Respiratory Care II RET 2285L Respiratory Intensive Care Practicum II RET 2414 Pulmonary Function Studies Arterial Blood Gases and Critical Care Monitoring RET 2543 Pulmonary Rehabilitation RET 2714 Neonatal and Pediatric Respiratory Care credit hours	PPT 9973C	Clinical Saminar in Intensive	
RET 2274L Respiratory Intensive Care Practicum I. RET 2284C Clinical Seminar in Intensive Respiratory Care II. RET 2285L Respiratory Intensive Care Practicum II. RET 2414 Pulmonary Function Studies	1001 22100		
Practicum I. RET 2284C Clinical Seminar in Intensive Respiratory Care II. RET 2285L Respiratory Intensive Care Practicum II. RET 2414 Pulmonary Function Studies. RET 2434 Arterial Blood Gases and Critical Care Monitoring RET 2543 Pulmonary Rehabilitation. RET 2714 Neonatal and Pediatric Respiratory Care credit hours	PET 99741.	Respiratory Intensive Core	· · · · · · · · · · · · · · · · · · ·
RET 2284C Clinical Seminar in Intensive Respiratory Care II RET 2285L Respiratory Intensive Care Practicum II RET 2414 Pulmonary Function Studies. RET 2434 Arterial Blood Gases and Critical Care Monitoring RET 2543 Pulmonary Rehabilitation. RET 2714 Neonatal and Pediatric Respiratory Care credit hours	101 22142		19
Respiratory Care II RET 2285L Respiratory Intensive Care Practicum II RET 2414 Pulmonary Function Studies Arterial Blood Gases and Critical Care Monitoring RET 2543 Pulmonary Rehabilitation RET 2714 Neonatal and Pediatric Respiratory Care credit hours	RET 2284C		
RET 2285L Respiratory Intensive Care Practicum II RET 2414 Pulmonary Function Studies Arterial Blood Gases and Critical Care Monitoring RET 2543 Pulmonary Rehabilitation RET 2714 Neonatal and Pediatric Respiratory Care credit hours			
Practicum II RET 2414 Pulmonary Function Studies RET 2434 Arterial Blood Gases and Critical Care Monitoring RET 2543 Pulmonary Rehabilitation RET 2714 Neonatal and Pediatric Respiratory Care credit hours	RET 2285L		
RET 2414 Pulmonary Function Studies			12
RET 2434 Arterial Blood Gases and Critical Care Monitoring Pulmonary Rehabilitation Neonatal and Pediatric Respiratory Care credit hours	RET 2414		
Care Monitoring			
RET 2543 Pulmonary Rehabilitation			
RET 2714 Neonatal and Pediatric Respiratory Care	RET 2543	Pulmonary Rehabilitation	2
Care		Neonatal and Pediatric Respir	atory
credit hours			
			-
			=
Total credit hours		Total cre	dit hours 101
Refer to AS Degree General Education Requirements	Refer to AS Degree	e General Education Requirem	ents

Home Economics Education

Associate In Science

Child Care Services

Students completing the AS program will have had the opportunity to observe and participate in the Child Care Laboratory at the North Campus. Graduates of the program will be able to serve the community through acquired skills which will qualify them to work with young children.

Child care students are expected to read at 10.5 grade level as measured by a standard reading test approved by the program director. Any students who have academic deficiencies, as determined by the Occupational Education Dean, will be scheduled into additional appropriate courses for correction of these deficiencies. This assessment may occur either prior to or during the program.

Contact Person: Director, Child Care Services, North Campus Telephone (904) 757-6421

Recommended		
Course Sequence	Course Number and Title	Credits
Sednence	and 1100	
General Educa	ition	
	88	
BSC 1011C	Principles of Biology	
DEP 2004	Human Growth and Developme	
DEP 2102	Child Psychology	3
ENC 1101	English Composition I	
ENC 1102	English Composition Π	
GLY 1000	Earth and Space Science	
MUL 1011	Music Appreciation	
PSY 1012	General Psychology	
SPC 1010	Fundamentals of Speech	0
	Communications	
	cre	edit hours 37
Professional a	nd Other Required Courses	
I TOTODOTOMA	•	
CHD 1220	Child Growth and Developmen	
CHD 1230	Child Growth and Developmen	
EDG 2940	Observing and Recording Chile	
	Behavior	6
EDG 2941	Supervised Student Participati	
EEC 1001	Introduction to Early Childhoo	
++++TDC 1001	Education	3
†***EEC 1201	Curriculum I	3
†***EEC 1202	Overview of Early Childhood	
, MIC IZUZ	Curriculum II	3
		-
	cr	edit hours 27
		=
	Total cr	edit hours 64
*Any course in Hui	manities, Section A, General Edu	acation Require-
ments.		
	ree General Education Requirem	
***For Associate in	Science Degree students wishing	g training as res-
idential child care v	workers or foster parents, CHD 1	850, CHD 1851,
Training of Resider	ntial Child Care Workers I and I	I will substitute
for EEC 1201 and I		
	Science Degree students wish	
	care workers, CHD 1110 and CH	D Z120 will sub-
stitute for EEC 120)1 and EEC 1202.	

Child Care Services

Students completing the Technical Certificate program will have had the opportunity to observe and participate in the Child Care laboratory at the North Campus. Graduates of the program will be able to serve the community through acquired skills which will qualify them to work with young children.

Child care students are expected to read at 10.5 grade level as measured by a standard reading test approved by the program director. Any students who have academic deficiencies, as determined by the Occupational Education Dean, will be scheduled into additional appropriate courses for correction of these deficiencies. This assessment may occur either prior to or during the program.

Contact Person: Director, Child Care Services,

North Campus

Recommended Course Sequence	Course Number and Title	Credits
General Edu	cation	
ENC 1101	English Composition I	3
	c	redit hours 3
Professional	and Other Required Courses	
CHD 1220	Child Growth and Developmer	nt I 3
CHD 1230	Child Growth and Developmer	nt II 3
EDG 2940	Observing and Recording Chil Behavior	
EDG 2941	Supervised Student Participat	
EEC 1001	Introduction to Early Childhoo Education	
EEC 1201	Overview of Early Childhood Curriculum I	
EEC 1202	Overview of Early Childhood	
	Curriculum II	3
	cr	edit hours 27
	Total or	= edit hours 30



Infant and Toddler Care Services

Students completing the Technical Certificate program will have had the opportunity to observe and participate in the Child Care Laboratory at the North Campus. Graduates of the program will be able to serve the community through acquired skills which will qualify them to work with young children.

Child care students are expected to read at 10.5 grade level as measured by a standard reading test approved by the program director. Any students who have academic deficiencies, as determined by the Occupational Education Dean, will be scheduled into additional appropriate courses for correction of these deficiencies. This assessment may occur either prior to or during the program.

Contact Person: Director, Child Care Services,

North Campus

Recommended Course Sequence	Course Number and Title	Credits
General Educ	cation	
ENC 1101	English Composition I	3
	•	credit hours 3
Professional	and Other Required Courses	
CHD 1220	Child Growth and Developme	
CHD 1230	Child Growth and Developme	nt II 3
EDG 2940	Observing and Recording Chi Behavior	. , 6
EDG 2941	Supervised Student Participat	tion 6
EEC 1001	Introduction to Early Childho Education	
CHD 1110	Infant and Toddler Care I (Development)	3
CHD 2120	Infant and Toddler Care II	
	(Education)	
	c	redit hours 27
	Total c	redit hours 30



Residential Child Care Services

Students completing the Technical Certificate program will have had the opportunity to observe and participate in the Child Care Laboratory at the North Campus. Graduates of the program will be able to serve the community through acquired skills which will qualify them to work with young children.

Child care students are expected to read at 10.5 grade level as measured by a standard reading test approved by the Occupational Education Dean. Any students who have academic deficiencies, as determined by the program director, will be scheduled into additional appropriate courses for correction of these deficiencies. This assessment may occur either prior to or during the program.

Contact Person: Director, Child Care Services,

North Campus

ommended irse uence	Course Number and Title	Credits
General Educ	eation	
DEP 2102 ENC 1101	Child Psychology English Composition I	
Professional	and Other Required Courses	
CHD 1220	Child Growth and Developmen	t I 3
CHD 1230	Child Growth and Developmer	
CHD 1850	Training of Residential Child (Workers I	
CHD 1851	Training of Residential Child Workers II.	Care
EDG 2940	Observing and Recording Chil	d
EDG 2941	Behavior. Supervised Student Participat	ion 6
	cr	edit hours 24
	Totalou	edit hours 30

Fashion Merchandising

This AS program is designed to prepare students for entering the fashion retailing industry. Employment may be secured in occupations such as salesperson, assistant department manager, display artist, fabric specialist, assistant buyer, department manager, and mid-management positions in sales supporting areas. The program will include instruction in career orientation, merchandising functions and techniques, garment construction, textile performance, and general business practices and procedures along with practical on-the-job work experiences and General Education.

The program director, with the approval of the Occupational Education Dean, may require additional courses or make substitutions required to meet the needs of students.

Contact Person: Director, Home Economics

Education, Kent Campus Telephone (904) 387-8255

Recommended Course Sequence	Course Number and Title	Credits
General Educa	ation	
*Mathematics-l	Natural Science	3 3 3
	cre	dit hours 15
Professional a	nd Other Required Courses	
		3
**Approved E	lectives:	credit hours
ACG 1003, 100 ACG 2001 BUL 2111 COA 1100 CTE 1402C FAD 1230 GEB 1011 HME 1200 MAN 2021 MAN 2300 MAR 1101 QMB 1001 SPC 1010	4 General Accounting I and II or Principles of Accounting I Business Law Consumer Decisions Household Textiles Dynamics of Modern Living Introduction to Business Home Management Principles of Management Personnel Management Salesmanship Business Mathematics Fundamentals of Speech Communication	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3

Food Service Technology

This competency-based AS program is designed to prepare students to seek employment in the food service industry at the mid-management level in restaurants, cafeterias, extended care facilities, schools, hospitals, and fast food service operations. Competencies needed may be acquired through a combination of theory, laboratory and community experiences. Students may acquire credits for demonstrated specified competencies acquired through previous education and/or experience.

The program director, with the approval of the Occupational Education Dean, may require additional courses or make substitutions required to meet the needs of students.

Contact Person: Director, Home Economics

Education, Kent Campus Telephone (904) 387-8255

Recommended Course Sequence	Course Number and Title	Credits
General Educ	eation	
*Mathematics *Social Science	– Natural Science ation Elective English Composition I	
	cre	edit hours 15
Professional	and Other Required Courses	
FOS 1201 FSS 1004 FSS 1100	Sanitation and Safety Orientation to Food Service Technology Menu Design and Food	3
FSS 1120 FSS 1202C FSS 1221C FSS 1410	Merchandising	;3 3 3 ty
FSS 2300 FSS 2501 FSS 2945 HUN 1001 **Approved El	Planning. Supervision and Personnel Management Food and Beverage Control Food Service Internship Principles of Nutrition ectives	3 9
	cre	edit hours 45
	Total cre	edit hours 60
*Refer to AS Degr	ee General Education Requireme	ents
**Approved I	Electives:	credit hours
ACG 1003 COA 1100 COC 2001 DIE 1201 FAD 1230 FSS 1246C FSS 1249C FSS 1250 HME 1200 QMB 1001	General Accounting I Consumer Decisions Computer Concepts Therapeutic Nutrition Dynamics of Modern Living Baking Garde-Manger I Garde-Manger II Food and Beverage Service Home Management Business Mathematics	

AS Degree Option

Dietetic Technician

The Dietetic Technician AS Degree option prepares students to function at the management level of dietetic care under the supervision of the Registered Dietitian or under general supervision in consultation with the dietitian. Typical duties include supervision of employees, menu planning, patient interviewing, diet instruction for routine modification, employee training, food purchasing, and supervision of food production. The dietetic technician is an integral member of the health care team in an occupation offering both personal and financial rewards. Upon completion of the Dietetic Technician Option, the student may apply for membership in the American Dietetic Association. Graduates of an ADA approved program meet licensure requirements under Public Law 10D-2915.

The program director, with the approval of the Occupational Education Dean, may require additional courses or make substitutions required to meet the needs of students.

Contact Person: Director, Home Economics Education, Kent Campus Telephone (904) 387-8255

Recommended Course Sequence	Course Number and Title	Credits
General Educa	ation	
*Mathematics - *Social Science ENC 1101 SYG 2000	- Natural Science English Composition I Introductory Sociology ions Elective	
	cre	edit hours 18
Professional a	and Other Required Courses	
FOS 1201	Sanitation and Safety	3
FSS 1004	Orientation to Food Service Technology	3
FSS 1100	Menu Design and Food Merchandising	3
FSS 1120	Food and Beverage Purchasing	3 3
FSS 1202C	Basic Food Preparation	
FSS 1221C	Quantity Food Production	
FSS 1410	Food Service Equipment/Facili Planning	
FSS 2300	Supervision and Personnel Management	3
FSS 2501	Food and Beverage Control	
HUN 1001	Principles of Nutrition	
FSS 2301	Food Service Delivery Systems	3 3
DIE 1100	Dietetic Seminar	1
FSS 1304	Management Clinical Practice	
FSS 1306	Management Clinical Practice	
FSS 2302	Management Clinical Practice	: Ш4
	cr	edit hours 44
	Total cr	edit hours 62
*Refer to AS Degre **ENC 1102 or SP	ee General Education Requireme C 1010	ents

Food Service Technology

This competency-based Technical Certificate program is designed to prepare students to seek employment in the food service industry at the mid-management level in restaurants, cafeterias, extended care facilities, schools, hospitals, and fast food service operations. Competencies needed may be acquired through a combination of theory, laboratory and community experiences. Students may acquire credits for demonstrated specified competencies acquired through previous education and/or experience.

The program director, with the approval of the Occupational Education Dean, may require additional courses or make substitutions required to meet the needs of students.

Contact Person: Director, Home Economics

Education, Kent Campus Telephone (904) 387-8255

Recommended Course Sequence	Course Number and Title	Credits
General Educ	eation	
ENC 1101	English Composition I	3
	cr	redit hours 3
Professional	and Other Required Courses	
FOS 1201	Sanitation and Safety	9
FSS 1004	Orientation to Food Service	
	Technology	3
FSS 1100	Menu Design and Food	
	Merchandising	
FSS 1120	Food and Beverage Purchasing	
FSS 1202C	Basic Food Preparation	<i>.</i> 3
FSS 1221C	Quantity Food Production	3
FSS 1410	Food Service Equipment/Facilit	y
FSS 2300	Supervision and Personnel Management	
FSS 2501	Food and Beverage Control	
HUN 1001	Principles of Nutrition	3
*Approved Ele	ctives	6
•	cre	dit hours 36
	Total cred	dit hours 39
*Approved El	ectives:	credit hours
ACG 1003 COA 1100	General Accounting I	3
COA 1100 COC 2001	Consumer Decisions	3
DIE 1201	Computer Concepts	
FAD 1230	Therapeutic Nutrition	3
FSS 1246C	Dynamics of Modern Living	3
FSS 1248C	BakingGarde-Manger I	9 1
FSS 1249C	Garde-Manger II	9
FSS 1250	Food and Beverage Service	າ
HME 1200	Home Management	
QMB 1001	Business Mathematics	3
*		

Interior Design Technology

The AS program includes a combination of theory and laboratory and community experiences for the development of competencies in all phases of interior design technology. Concepts of the program include characteristics and performance of textiles; selection, arrangement and maintenance of furniture and accessories; art principles; decorating and design skills; materials and sources; exhibition design; and architectural design, history of interiors and business aspects. Management, safety, free enterprise, consumer and economic education are also included. General Education and the application of communication, computation and human relations skills are an integral part of the instructional program. Instruction related to rules, regulations and legislation will be included.

Contact Person: Director, Home Economics Education, Kent Campus Telephone (904)387-8255

Recommended		
Course	Course Number	
Sequence	and Title	Credits
General Educa	ation	
General Educat	ion Elective	3
*Humanities		3
	- Natural Science	
ENC 1101	English Composition I	
		-
	c	redit hours 15
Professional a	and Other Required Courses	
CTE 1401C	Basic Textiles	3
HHD 1001C	Principles of Interior Design	
HHD 1232C	Functions and Psychology of	Space3
HHD 2234C	Residential and Commercial	Design3
HHD 2323C	Perspective Renderings - Hou	
HHD 2810	Marketing Techniques for the	Interior
HHD 2010	Designer	
HHD 2324C	Graphic Presentation Technic	
IND 1100		
	History of Interiors I	
IND 1130	History of Interiors II	
IND 1420	Materials and Sources	
IND 2940	Interior Design Internship ar	
***	Seminar	
**Approved Proved Proved Province Provi	ofessional Electives	12
		- 10
	C	redit hours 48
	Total o	redit hours 63
*Refer to AS Degre	ee General Education Requiren	nents
**Annnoved E	rofessional Electives	credit hours
ARC 2120C	Architectural Drafting	
CTE 1402C	Household Textiles	
ETD 1100C	Engineering Drawing	
HHD 1365C	Home Accessories Constructi	
HHD 1360C	Construction of Window Tree	
UUD 1300C	and Draperies	
HHD 1362	Window Treatment Design .	
HHD 1450C	Fundamentals of Restoration	and
HHD 1400C	Preservation	
HHD 1452	Home Maintenance and Repa	
HHD 1500C		
HHD 1510C	Decorating with Slipcovers .	?
	Introduction to Upholstery .	ن
HHD 1511C HHD 2240	Advanced Upholstery	
HHD 2240 HHD 2600	Why Preservation?	
UUU 5000	Architectural Styles: Exterio	
HUD COOF	Interiors	
HHD 2805	Professional Practices in Hor	
TT 477 + 0.00	Economics	
HME 1200	Home Management	
HME 1312	Home Equipment - Selection	
	and Care	
IND 1010	Housing and Interior Design	
QMB 1001	Business Mathematics	
SOP 1002	Human Relations	3

Home Furnishings Design and Management

The Technical Certificate program is designed to provide opportunities for students to acquire knowledge and develop professional attitudes and skills in Home Furnishings Design and Management.

Instruction includes textile information and use; design principles; and upholstery and drapery construction skills. Also included is information pertaining to self-employment in the Home Furnishings trade.

Contact Person: Director, Home Economics

Education, Kent Campus Telephone (904) 387-8255

Recommended Course Sequence	Course Number and Title	Credits
Professional	and Other Required Courses	
CTE 1401C	Basic Textiles	3
CTE 1402C	Household Textiles	
HHD 1001C	Principles of Interior Design .	
HHD 1365C	Home Accessories Construction	n 3
HHD 1500C	Decorating with Slipcovers	3
HHD 2805	Professional Practices in Home Economics	e
IND 1100	History of Interiors 1	
IND 1130	History of Interiors II	3
**Approved E	lectives	9
	Total cr	edit hours 33
**Approved	Electives:	credit hours
HHD 1360C	Construction of Window Treat and Draperies	
HHD 1362	Window Treatment Design	
HHD 1510C	Introduction to Upholstery	
HHD 1511C	Advanced Upholstery	
IND 1010	Housing and Interior Design.	3

Revitalization of Homes and Businesses

The Technical Certificate program addresses trends and issues in housing: factors affecting selection, legal, and financial responsibilities in establishing a home; relocation of residence; energy conservation; housing alternatives; home construction; renovation and preservation features; furnishings and equipment; and exterior design.

This program provides the individual or family the opportunity to educate themselves: 1) concerning the feasibility of structural renovation of dwellings for homes or business; 2) concerning application of skills and knowledge necessary for maintenance and repair of home or business dwellings.

Certificate content deals with housing alternatives, architectural styles, functions of space, energy factors in household equipment and in the renovation process, economics of preservation, and techniques of home repair and renovation.

Contact Person: Director, Home Economics

Education, Kent Campus Telephone (904) 387-8255

Recommended Course Sequence	Course Number and Title	Credits
Professional a	and Other Required Courses	
HHD 1122 HHD 1232C HHD 1450C	Housing Alternatives Functions and Psychology of S Fundamentals of Restoration a	pace3
HHD 1452 HHD 2240	Preservation	r3
HHD 2600	Architectural Style: Exteriors Interiors	and 3
HHD 2943	Practicum in Economic Revita of Home and Business Dwell	ings6
HME 1232 IND 1420	Economic Home Energy Source Materials and Sources	3
**Approved El	ectives	_
	Total cr	edit hours 36
**Approved l	Electives:	credit hours
CTE 1402C	Household Textiles	
HHD 1365C	Home Accessories Construction	n3
HHD 1500C	Decorating with Slipcovers	
HHD 1362	Window Treatment Design	
HHD 1360C	Construction of Window Treat and Draperies	
HHD 1510C	Introduction to Upholstery	, 3
HHD 1511C	Advanced Upholstery	. , 3
HME 1200	Home Management	
HME 1312	Home Equipment - Selection, and Care	
HHD 2805	Professional Practices in Hom Economics	
IND 1010	Housing and Interior Design.	3

Public Service Education

Associate in Science

Criminal Justice Education – Corrections

This AS program is under the guidance of an advisory committee composed of community leaders and administrators from local criminal justice agencies. This assures that the student will receive modern, upto-date instruction that is relevant to current practices in the field.

Corrections and General Education courses are offered on a day and evening interchangeable basis.

The program director, with the approval of the Occupational Education Dean, may require additional courses or make substitutions required to meet the needs of students.

Contact Person: Director, Criminal Justice and Fire Science, South Campus Telephone (904) 646-2060

Recommended Course Sequence	Course Number and Title	Credits
General Edu	cation	
APB 1150	Life In Its Biological Environmen	t3
ENC 1101	English Composition I	
HUM 2450	Humanities in the Americas	3
POS 2041	American Federal Government	3
POS 2112	State and Local Government	3
PSY 1012	General Psychology	
SOP 1002	Human Relations	
SYG 2000	Introductory Sociology	
SYG 2010	Social Problems	3
		-
	credi	t hours 27
Professional	and Other Required Courses	
CCJ 1010	Introduction to Criminology	3
CCJ 1020	Introduction to Criminal Justice.	3
CCJ 1030	Introduction to Criminal Behavio	
CCJ 1300	Introduction to Corrections	3
CCJ 1220	Criminal Law	3
CCJ 2250	Constitutional Law	
CCJ 2250 CCJ 2330	Probation, Pardon and Parole	
CCJ 2250	Probation, Pardon and Parole Introduction to Correctional	3
CCJ 2250 CCJ 2330	Probation, Pardon and Parole Introduction to Correctional Treatment Introduction to Contemporary	3
CCJ 2250 CCJ 2330 CCJ 2340 CCJ 2360	Probation, Pardon and Parole Introduction to Correctional Treatment Introduction to Contemporary Practices in Corrections	3
CCJ 2250 CCJ 2330 CCJ 2340 CCJ 2360 CCJ 2500	Probation, Pardon and Parole Introduction to Correctional Treatment Introduction to Contemporary Practices in Corrections Juvenile Delinquency	
CCJ 2250 CCJ 2330 CCJ 2340 CCJ 2360	Probation, Pardon and Parole Introduction to Correctional Treatment Introduction to Contemporary Practices in Corrections	
CCJ 2250 CCJ 2330 CCJ 2340 CCJ 2360 CCJ 2500	Probation, Pardon and Parole Introduction to Correctional Treatment. Introduction to Contemporary Practices in Corrections Juvenile Delinquency. Introduction to Special Problems	
CCJ 2250 CCJ 2330 CCJ 2340 CCJ 2360 CCJ 2500 CCJ 2933	Probation, Pardon and Parole Introduction to Correctional Treatment. Introduction to Contemporary Practices in Corrections Juvenile Delinquency Introduction to Special Problems Corrections Police Supervision.	333 in3 thours 36
CCJ 2250 CCJ 2330 CCJ 2340 CCJ 2360 CCJ 2500 CCJ 2933	Probation, Pardon and Parole Introduction to Correctional Treatment. Introduction to Contemporary Practices in Corrections Juvenile Delinquency Introduction to Special Problems Corrections Police Supervision.	333 in3 thours 36

Associate in Science

Criminal Justice Education – Law Enforcement

This AS program is under the guidance of an advisory committee composed of community leaders and administrators from local criminal justice agencies. This assures that the student will receive modern, upto-date instruction that is relevant to current practices in the field.

Law enforcement and General Education courses are offered on a day and evening interchangeable basis.

The program director, with the approval of the Occupational Education Dean, may require additional courses or make substitutions required to meet the needs of students.

Contact Person: Director, Criminal Justice and Fire Science, South Campus Telephone (904) 646-2060

Recommended Course Sequence	Course Number and Title	Credits
General Educ	eation	
APB 1150 ENC 1101 HUM 2450 POS 2041 POS 2112 PSY 1012 SOP 1002 SYG 2000	Life In Its Biological Environm English Composition I Humanities in the Americas American Federal Government State and Local Government General Psychology Human Relations Introductory Sociology	3 3 3 3
	cre	dit nours 24
Professional	and Other Required Courses	
CCJ 1010 CCJ 1020 CCJ 1030 CCJ 1400 CCJ 1420 CCJ 1220 CCJ 2230 CCJ 2250 CCJ 2500 CCJ 2930 CJ 2930 CJD 2310 CJT 2100 CJT 2110	Introduction to Criminology Introduction to Criminal Justic Introduction to Criminal Behav Police Organization and Administration. Police Operations	ee
		edit hours 39
	Iotai cre	edit illuis 00

Criminal Justice-Law Enforcement

A student may apply for and obtain a Technical Certificate in Criminal Justice-Law Enforcement by completing the 12 law enforcement courses specified for that purpose listed hereafter under Professional and Other Required Courses.

The program director, with the approval of the Occupational Education Dean, may require additional courses or make substitutions required to meet the needs of students.

Contact Person: Director, Criminal Justice and Fire Science, South Campus

Telephone (904) 646-2060

Recommended Course Sequence	Course Number and Title	Credits
Professional and Other Required Courses		
CCJ 1020	Introduction to Criminal Justic	re 3
CCJ 1030	Introduction to Criminal Beha	•••••
CCJ 1400	Police Organization and	
	Administration	3
CCJ 1420	Police Operations	
CCJ 1220	Criminal Law	
CCJ 2230	Criminal Evidence and Procedure 3	
CCJ 2250	Constitutional Law3	
CCJ 2500	Juvenile Delinquency3	
CCJ 2930	Seminar in Police Problems	
CJD 2310	Police Supervision	. <i></i> 3
CJT 2100	Criminal Investigation	
CJT 2110	Introduction to Criminalistics	3
		_
	cre	edit hours 36
		=
	Total cre	edit hours 36

Associate in Science

Fire Science and Prevention

The Fire Science and Prevention AS Program is designed to provide training for persons who desire to enter the fire service; who seek employment in industrial fire protection, with insurance companies or with fire protection equipment companies; or, to upgrade the professional status and intellectual competence of those currently employed in the fire service.

The program is under the guidance of an advisory committee composed of community leaders and administrators from local fire departments. This assures that the student will receive modern, up-to-date instruction that is relevant to current practices in the field.

Fire Science and General Education courses are offered on a primary night and alternate night or day basis.

The program director, with the approval of the Occupational Education Dean, may require additional courses or make substitutions required to meet the needs of students.

Contact Person: Director, Criminal Justice and Fire Science, South Campus Telephone (904) 646-2060

Recommended Course Sequence	Course Number and Title	Credits
General Educ	ation	
ENC 1101	English Composition I	3
HUM 2450	Humanities in the Americas	3
POS 2041	American Federal Government	3
POS 2112	State and Local Government	3
PSC 1341	Physical Science	3
PSY 1012	General Psychology	3
SOP 1002	Human Relations	3
	or	
SYG 2000	Introductory Sociology	3
SPC 1010	Fundamentals of Speech	
	Communication	3
		-
	cre	edit hours 24
Professional	and Other Required Courses	
FFP 1000	Introduction to Fire Protection	
FFP 1100	Introduction to Fire Organizat	ion and
	Administration	
FFP 1110	Fire Company Supervision and	ì
	Management	3
FFP 1203	Fundamentals of Fire Prevent	ion 3
FFP 2240	Fire Investigation	3
FFP 2310	Fire Codes and Building	
	Construction	3
FFP 2400	Fire Fighting Tactics and Stra	tegy3
FFP 2500	Flammable Hazardous Materi	
FFP 2524	Explosive and Toxic Hazardou	
	Materials	3
FFP 2600	Fire Fighting Equipment and	
	Apparatus	
FFP 2660	Rescue Practices	
Mathematics	Elective	3
	_	11/1 02
	*cr	edit hours 36
		=
	Total cr	edit hours 60

^{*}For the Associate in Science Degree only, EMS 1119 – Fundamentals of Emergency Medical Care may be used to satisfy six hours of the requirements for 33 hours of FFP prefixed professional courses. If this option is selected, FFP 1000 must be taken and FFP 2660 may not also be taken for credit.

Fire Science and Prevention

A student may apply for and obtain a Technical Certificate in Fire Science and Prevention by completing the 11 fire science courses specified for that purpose listed hereafter under Professional and Other Required Courses.

The program director, with the approval of the Occupational Education Dean, may require additional courses or make substitutions required to meet the needs of students.

Contact Person: Director, Criminal Justice and Fire

Science, South Campus Telephone (904) 646-2060

Recommended Course Sequence	Course Number and Title	Credits	
Professiona	l and Other Required Courses		
FFP 1000	Introduction to Fire Protection	3	
FFP 1100	Introduction to Fire Organizati Administration	on and	
FFP 1110	Fire Company Supervision and Management		
FFP 1203	Fundamentals of Fire Prevention		
FFP 2240	Fire Investigation		
FFP 2310	Fire Codes and Building Construction 3		
FFP 2400	Fire Fighting Tactics and Strategy 3		
FFP 2500	Flammable Hazardous Materials 3		
FFP 2524	Explosive and Toxic Hazardous	Explosive and Toxic Hazardous Materials	
FFP 2600	Fire Fighting Equipment and		
FFP 2660	Apparatus		
	ćre	dit hours 33	
		=	
	Total cre	dit hours 33	

The Associate in Applied Science Degree and Technical Certificate

The objective of the Associate in Applied Science (AAS) Degree is to provide a more comprehensive and higher level of training than can be offered by the non-college credit occupational preparatory programs of study. Education here is designed to meet the training needs of the individual as indicated by industry needs. Professionals from industry are very instrumental in assessing community needs and serve on special advisory committees to assist FJC with meeting these needs.

The technical competencies acquired by the individual will enhance the ability of the graduate to

comprehend and stay current with rapid change in technology and employment requirements of a chosen occupation. A Technical Certificate option is also available to provide the basic professional courses of the occupation.

Associate in Applied Science Degree General Education Requirements and Graduation Requirements are the same as those for the Associate in Science degree.

Before a student may graduate, the student must have fulfilled all financial obligations to the College.

Engineering and Industrial Related

Associate in Applied Science

Automotive/Light Truck Technology

Automotive/Light Truck Technology is a two-year, AAS Degree Program offering specialty tracks in Vehicle Mechanics, Vehicle Machinist, and Vehicle Body. The objective of this program is to prepare the student for a career in the Automotive/Light Truck field. The program is designed to provide General Education, a series of core courses, and specialized courses which meet the knowledge and skill requirements of the occupational/technical trade area. Core courses provide theory and hands-on experience which relate to all of the specialty tracks. Additionally, specialized courses provide theory and hands-on training to meet individual employment requirements in the particular field of specialization.

Students seeking the AAS Degree in Automotive/ Light Truck Technology are required to complete all General Education courses, all core courses, and all courses listed in one of the special tracks for graduation.

Completion of the Automotive/Light Truck Technology Program may lead to employment with new vehicle dealerships, independent repair companies, mass merchandizers, or parts sales companies.

Recommended Course Sequence	Course Number and Title	Credits
General Edu	cation	
	English Composition I College Mathematics Fundamentals of Speech Communication	
	cı	redit hours 15
*Refer to AS Deg	ree General Education Requireme	nts.
Core Course	s:	
AER 1000	Basic Technician Skills	1
AER 1100	Vehicle Electrical and Support Systems	
AER 1131	Transmission and Drive System	ns 4
AER 2169	Automotive/Light Truck Caree	
AER 2171	Preparation	
COC 2001	Computer Concepts	
ETI 1700	Industrial Safety	
IEA 1305	Industrial Survival Procedures	
	cre	edit hours 25
Specialty	y Courses	
Vehicle M	lechanics Specialt	y
AER 1120	Steering and Suspension Syste	ms4
AER 1121	Braking Systems	4
AER 1160	Introduction to Vehicle Service Parts Supervision	
AER 1180	Integrated Vehicle Systems	
AER 2004	Internal Combustion Engines .	
AER 2112	Advanced Vehicle Diagnosis	
	ere	edit hours 23
		=
	Total and	edit hours 63



Recommended Course Sequence	Course Number and Title	Credits
Vehicle B	ody Specialty	-
AER 1120	Steering and Suspension Syste	ms 4
AER 1221	Paint Formulas and Application	
AER 1271	Introduction to Body Shop	
	Supervision	3
AER 2210	Body Damage Analysis and Re	
AER 2214	Body Panels and Frames	4
AER 2272	Advanced Body Repair and	
	Appraising	<i></i> 4
		edit hours 23
	cre	edit hours 23
	Total cre	edit hours 63
Vehicle M	lachinist Specialty	7
AER 1114	Basic Vehicle Machinist	4
AER 1160	Introduction to Vehicle Service	d
	Parts Supervision	3
AER 1180	Integrated Vehicle Systems	4
AER 2004	Internal Combustion Engines	4
AER 2115	Advanced Vehicle Machinist	4
AER 2941	Vehicle Machinist Practicum.	3
		-
	cre	edit hours 22
	T-4-1	edit hours 62
		tun nours 62

Automotive/Light Truck Technology

The Automotive/Light Truck Technology one-year Certificate program is designed to prepare students for employment in the automotive/light truck field as working technicians. Successful completion of this one-year program will provide the student with the knowledge and skill required to meet the industry employability demands of the working automotive/light truck technicians. General Education, core courses, and selected specialized trade courses provide the theory and hands-on experience required.

Completion of these Automotive/Light Truck Technology Certificate Programs may lead to employment with new vehicle dealers, independent repair companies, mass merchandizers, body repair shops, automotive repair shops, or parts sales companies.

Recommended Course Sequence	Course Number and Title Credits
General Educ	eation
ENC 1101 MGF 1204	English Composition I
	credit hours 6
Core Courses	:
AER 1000 AER 1100	Basic Technician Skills
AER 1131 IEA 1305 AER 2171 AER 2169	Systems 4 Transmission and Drive Systems 4 Industrial Survival Procedures 3 Heating and Air Conditioning 4 Automotive/Light Truck Career Preparation 3
	credit hours 19
Specialty	Courses
Vehicle M	echanics Specialty
AER 1120 AER 1121 AER 1180 AER 2004	Steering and Suspension Systems. 4 Braking Systems. 4 Integrated Vehicle Systems. 4 Internal Combustion Engines. 4
	credit hours 16
	Total credit hours 41
Vehicle B	ody Specialty
AER 1120 AER 1221 AER 2210	Steering and Suspension Systems 4 Paint Formulas and Applications 4 Body Damage Analysis and
AER 2214	Repair
	credit hours 16
	Total credit hours 41
Vehicle M	achinist Specialty
AER 1114 AER 1180 AER 2004 AER 2115	Basic Vehicle Machinist 4 Integrated Vehicle Systems 4 Internal Combustion Engines 4 Advanced Vehicle Machinist 4
	credit hours 16
	Total credit hours 41

Associate in Applied Science

Building Construction Technology

The objective of this AAS program is to prepare the student for a career in the fields related to Construction Technology.

The two-year program in Construction Technology is designed to provide the student with the knowledge/skill requirements necessary for building construction trades by providing the theory, basic skills, safety, and first aid training common to all building trades. The Specialty Courses provide the knowledge/skills directed to specific construction technologies.

Students enrolled in this AAS program of study are required to take the General Education Requirements and core courses listed, as well as specialty courses.

Recommended Course Sequence	Course Number and Title	Credits
General Edu	ıcation	· · ·
*Humanities *General Edi	ce	
	cr	edit hours 15
*Refer to AS Deg	ree General Education requireme	nts.
Core Course	es:	
ETD 1100C ARC 2120C BCT 1001	Engineering Drawing Architectural Drafting Quantitative Methods for Buil-	3 ding
BCT 1113	Trades Blueprint Reading for Building Trades	g
BCN 2614C IEA 1305 BCT 1710	Planning and Estimating Industrial Survival Procedures Energy Efficient Construction.	
	cre	edit hours 22
	y Courses y Specialty	
BCT 1111 BCT 1114 BCT 2116	Woodworking for Building Trac Concrete Form Construction	4
BCT 2125 BCT 2118	Framing Methods IFraming Methods IIExterior Finish	4
BCT 2117 AET 2103 **Approved P	Interior Trim and Cabinets Passive Solar Construction rofessional Electives	3
	cre	edit hours 29
		_

Recommended Course Sequence	Course Number and Title	Credits
Masonry	Specialty	
BCT 1401 BCT 1114 BCT 1431 BCT 2405 BCT 2460 BCT 2416 AET 2103 **Approved P	Introduction to Brick and Blos Masonry	
	Total co	redit hours 67
Plumbing	g Specialty	
BCT 1501 BCT 1505 BCT 2521 BCT 1523 BCT 2527 BCT 1504 BCT 1502 BCT 1525	Introduction to Plumbing Plumbing Code Isometrics and Layout Venting Systems Fixtures and Valves Plumbing Repairs. Estimating Plumbing Repairs Water Distribution Systems.	4 4 4 4 54
	c	redit hours 32
	Total c	redit hours 69
**Approved COC 2001 QMB 1001 MAN 2021 REE 1000 BUL 2111 GEB 1011 ACG 1003 SUR 1101C ETI 2681 ACG 2001 ETI 1700 MTR 1100 MAN 2800	Professional Electives: Computer Concepts. Business Mathematics. Principles of Management. Real Estate Principles and Pr Business Law Introduction to Business. General Accounting I. Surveying. Industrial Supervision. Principles of Accounting I. Industrial Safety. Welding for Related Trades. Small Business Management	3 3 3 3 3 3 3 3 3 3 3 3 4 4

Building Construction Technology

The objective of this Technical Certificate program is to prepare the student for a career in the fields related to Construction Technology.

The certificate year program in Construction Technology is designed to provide the student with the knowledge/skill requirements necessary for building construction trades by providing basic skills, safety, and first aid training common to building trades. The Specialty Courses provide the knowledge/skills directed to specific construction technologies.

Students enrolled in this program of study are required to take the General Education and core courses listed, as well as specialty courses.

Recommended Course Sequence	Course Number and Title	Credits
General Edu	cation	
*Mathematics	-Natural Science	3
	с	redit hours 3
*Refer to AS degr	ee General Education Requireme	nts.
Core Courses	: :	
ETD 1100C BCT 1001	Engineering Drawing Quantitative Methods for Buil Trades	ding
BCT 1113	Blueprint Reading for Building	8
IEA 1305 BCT 1710	Industrial Survival Procedures Energy Efficient Construction	33
	cre	edit hours 16
Specialty	Courses	
Carpentr	y Specialty	
BCT 1111 BCT 1114 BCT 2116 BCT 2125 BCT 2118 BCT 2117	Woodworking for Building Tra Concrete Form Construction . Framing Methods I	4 4 4
	cr	edit hours 23
	Total cr	edit hours 42
Masonry	Specialty	
BCT 1401	Introduction to Brick and Bloc	
BCT 1114 BCT 1431 BCT 2405 BCT 2460	Masonry Concrete Form Construction . Wall Layout and Construction Advanced Masonry Chimneys and Fireplaces	
	cr	edit hours 20
	Total cr	edit hours 39
Plumbing	s Specialty	
BCT 1501 BCT 1505 BCT 2521 BCT 1523 BCT 2527 BCT 1525	-	4 4 4

Associate in Applied Science

Electrical/Electronics Technology

The objective of this AAS program is to prepare the student for a career in the fields related to Electrical/Electronics Technology. This two-year program is designed with core courses to meet the requirements necessary for each specialized area by providing theory, skills development, safety and first aid training. Specialty courses provide knowledge and work tasks directed to special technical areas.

Theory and "hands-on" laboratory experiences are provided to train the students to keep pace with, and display competence in, sophisticated and complex electrical/electronics equipment, instruments, and technical information which are being developed continuously by the various industries.

Students enrolled in this program of study are required to complete the General Education Requirements, core courses, and one of the specialty tracks listed. Courses not indicated for prerequisites are designed for entry at any time, irrespective of skill level. Further, it is not required that core courses be completed prior to registration for specialty courses.

Contact Person: Director, Occupational Education Programs, Downtown Campus Telephone (904) 633-8287

		121
Recommended Course Sequence	Course Number and Title	Credits
General Educ		•
ENC 1101	English Composition I	
MGF 1204 PHY 1020	College Mathematics	
Social Science		edit hours 15
*Refer to AS Degr	ee General Education Requireme	ents.
Core Courses	:	
COC 2001	Computer Concepts	3
EER 1004	Blueprint and Schematic Read	ing3
EER 1030	Safety in Electrical Trades	3
EER 1067	Mechanical Devices for	
	Electricians	
EER 1100	Electrical Theory I	
EER 1210 EER 1291	Electrical Theory II Semiconductor Devices	
EER 1291 EER 2261	AC/DC Machinery	4
EE1(2201	and Transformers	3
	cre	edit hours 25
Specialty		
	tioning and Appli	iance
Specialty		
ACT 1020	Introduction to Air Conditioning and Refrigerati	ion 4
ACT 2110	Air Conditioning and Refrigeration Wiring Diagrams and Schematics	4
ACT 2060	Psychrometrics and Heat Load Calculations	
ACT 2620	Air Conditioning: Commercial and Residential	
ACT 2850	Basic Air Conditioning Troubleshooting	
EER 2311	Home Appliance Maintenance and Service I	
EER 2312	Home Appliance Maintenance and Service II	

credit hours 28 =
Total credit hours 68



Recommended Course Sequence	Course Number and Title	Credits
Industrial	Electronics Spec	cialty
EER 1211	Introduction to Circuit Analysis	3
EER 2351	Test Equipment Maintenance and Service	
EER 2352	Advanced Electrical/ Electronic Systems	
EER 2360	Basic Circuit Diagnosis	
DDD 0444	and Repair	
EER 2411	Digital Electronics	
EER 2811	Sinusoidal Electronics	
EER 2821	Non-Sinusoidal Electronics	
EER 2831	Computer Circuit Analysis	4
	cı	redit hours 29
	Total ca	redit hours 69
Industrial	Electricity Speci	ialty
EER 2068	Mechanical Skills for	
	Electricians	3
EER 2131	Control of DC Machines	3
EER 2222	Control of AC Machines	3
EER 2413	Industrial Applications	
2217 2110	of Solid State Devices	4
EER 2451	Heating and Air Conditioning	
	for Electricians	3
EER 2401	Industrial Electrical Installations	9
MTR 1100	Welding for Related Trades	
**Approved Pr	ofessional Electives	
	cı	redit hours 29
	Total cr	redit hours 69
** 4 1 D6		
	essional Electives:	0
ENC 2210	Technical Report Writing	
ETI 1700	Industrial Safety	
ETI 2681	Industrial Supervision	3
IEA 1305	Industrial Survival Procedures	3
MAN 2800	Small Business	
	Management	3

Electrical/Electronics Technology

The objective of this Technical Certificate Program is to prepare the student for entry into a career in the fields related to electrical/electronics technology. The program is designed to provide the student with the requirements of the electrical/electronics trades by offering courses in the basic skills, safety, first aid training, and specialty courses depending upon the student's particular interests.

Students enrolled in this program of study are required to complete the General Education, core courses, and courses in one of the specialty tracks listed.

Associate in Applied Science

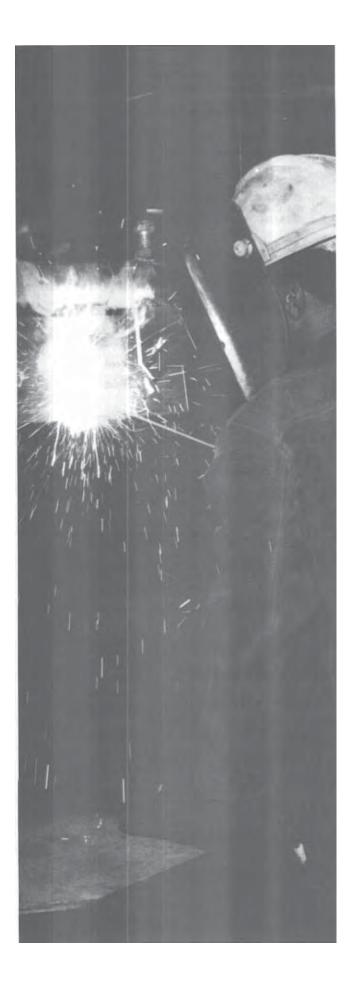
Metal Trades Technology

The objective of this AAS program is to prepare the student for a career in the fields related to Metal Trades Technology.

The two-year program in Metal Trades Technology is designed to provide the student with the knowledge/skill requirements necessary for metals trades by providing the theory, basic skills, safety, and first aid training common to all metal trades. The Specialty Courses provide the knowledge/skills directed to specific metal trade technologies.

Students enrolled in this AAS program of study are required to take the General Education Requirements and core courses listed, as well as specialty courses.

Recommended Course Sequence	Course Number and Title	Credits		
General Educ	ation			
*Humanities . *Social Science	ation Elective Natural Science English Composition I	3 		
	cred	it hours 15		
*Refer to AS Degree General Education Requirements.				
Core Courses	:			
ETD 1100C IEA 1305 **MTR 1100 ETI 1421C ETM 2800 MTR 1171	Engineering Drawing			
	***cred	it hours 19		
Specialty Courses				
Industrial	Machinist Special	lty		
MTR 2484 MTR 1472 MTR 1004 MTR 1474	Machine Measurement	4		
MTR 2481	Vertical Milling Methods and			
MTR 2482 MTR 2483 MAN 2800	Procedures Horizontal Milling Methods and Procedures Machine Shaper Small Publisher Management	4 4		
	Small Business Management			
	cred	it hours 33		
	Total cred	= it hours 67		
Sheet Metal Specialty				
MTR 1301 MTR 1311	Introduction to Sheet Metal Prac Basic Pattern Development and Fabrication			
MTR 1313	Intermediate Pattern Developme	nt and		
MTR 1314	Fabrication I. Intermediate Pattern Developme	nt and		
MTR 2316	Fabrication II	and		
MTR 2317	Advanced Pattern Development a	and		
MTR 2345	Practicum in Sheet Metal	3		
MTR 2123 ****Profession	Advanced Gas Metal Arc Welding al Elective	g4 3		
		it hours 33		
	Total cred	=		



Recommended Course	Course Number			
Sequence	and Title	Credits		
	. 1.			
Welding Specialty				
MTR 1120	Basic Shielded Metal-Arc Weldi			
MTR 1121	Advanced Shielded Metal-Arc V	Velding4		
MTR 1122	Basic Gas Metal-Arc Welding 4			
MTR 2123	Advanced Gas Metal Arc Welding4			
MTR 2126	Gas Tungsten Arc Welding Tubing			
	and Pipe (T.I.G.)	, 4		
MTR 2142	Shielded Metal Arc Welding of Pipe 4			
MTR 2146	Gas Metal Arc Pipe Welding (M.I.G.) 4			
MTR 2147	Basic Gas Tungsten Arc Welding (T.I.G)			
	Pipe and Tubing	, 4		
	200	dit hours 32		
	cre	=		
	Total cre	dit hours 62		
**Wolding majore	not required to take MTR 1100			
**Sheet Metal sub	stitute a math course to be appro	oved by Occupa-		
tional Education Dean. ***For welding majors 15 credit hours of core courses required.				
***For welding ma	ajors 15 credit nours of core cours	es required.		
****Approved P	rofessional Electives:			
Any course from	Metal Trades Technology Spec	ial Courses or:		
		credit courses		
GEB 1011	Introduction to Business	. , , 3		
BUL 2111	Business Law	3		
ACG 1003	General Accounting I	3		
COC 2001	Computer Concepts			
ETI 2681	Industrial Supervision			
ACG 2001	Principles of Accounting I			
ETD 1645C	Mechanical and Electrical Dra			
ETG 2504C	Engineering Mechanics			
MAN 2800	Small Business Management	3		

Metal Trades Technology

The objective of this Technical Certificate program is to prepare the student for a career in the fields related to Metal Trades Technology.

The Certificate in Metal Trades Technology is designed to provide the student with the knowledge/skill requirements necessary for metals trades by providing basic skills, safety, and first aid training common to metal trades. The Specialty Courses provide the knowledge/skills directed to specific metal trades technologies.

Students enrolled in this certificate program of study are required to take the General Education and core courses listed, as well as specialty courses.

Recommended Course Sequence	Course Number and Title	Credits		
General Education *Mathematics - Natural Science				
		credit hours 3		
*Refer to AS Degr	ee General Education requirer	nents.		
Core Courses	;			
ETD 1100C IEA 1305 ETI 1421C	Engineering Drawing Industrial Survival Procedu Engineering Materials and	res3		
		credit hours 9		
Specialty Courses				
Industria	Machinist Spec	ialty		
MTR 2484 MTR 1472	Machine Measurement Machine Lathe Work			
MTR 1004 MTR 1474	Machine Bench Work Surface Grinder-Methods an	4		
MTR 2481	Procedures	4		
	Procedures			
		credit hours 19		
	Total	credit hours 31		
Sheet Met	al Specialty			
MTR 1301 MTR 1311	Introduction to Sheet Metal Practices 3 Basic Pattern Development and			
MTR 1313	Fabrication			
MTR 1314	and Fabrication I			
MTR 2316				
MTR 2317				
		credit hours 23		
	Total	credit hours 25		
	I COLOR	create flours bo		
Welding S	-			
MTR 1122 MTR 2123 MTR 2126	Basic Gas Metal-Arc Welding 4 Advanced Gas Metal Arc Welding 4 Gas Tungsten Arc Welding Tubing and Pipe (T.I.G.)			
MTR 2142	Shielded Metal Arc Welding of Pipe	:		
MTR 2147	Basic Gas Tungsten Arc We (T.I.G.) Pipe and Tubing .	lding		
	- •	credit hours 20		
	Thtal	credit hours 32		
	2000			