

DEGREES



BACHELOR OF APPLIED SCIENCE (BAS) DEGREE



The Bachelor of Applied Science in Project Management (BAS) offers five pre-planned areas of emphasis: Acquisitions, Project Management, Public Service Management, Quality Improvement, and Training & Development/Human Resources. There is also an option for developing a “customized” program plan that allows a student, in consultation with an advisor, to select the set of upper division courses most complementary to his or her education and career goals.

In addition to the 36-credit general education requirement (1000 and 2000 level courses) for a baccalaureate degree, students will build upon their associate’s degree coursework to complete a comprehensive 120-credit curriculum. The junior and senior level curriculum (3000 and 4000 level courses) consists of a 27-credit core and 15-33 credits of emphasis and elective courses.

Most students will complete the core first, but some specialized courses may be taken prior to completion of the core. Students may select the area of emphasis that best fits his/her career goals. There are five areas of emphasis from which to choose, each requiring at least fifteen credits to meet degree requirements.

• Bachelor of Applied Science Degree in Project Management

Admission Program Objective Code R100

LOWER DIVISION REQUIREMENTS*

General Education Course Requirements*		Credit Hours
ENC 1101	English Composition I.....	3
ENC 1102	English Composition II.....	3
MAC 1105	College Algebra or other General Education Math.....	3
STA 2023	Statistics or other General Education Math.....	3
___ ___	General Education Humanities.....	6
___ ___	General Education Biological Science	4
___ ___	General Education Physical Science	4
___ ___	General Education Science Elective or HLP 1081	3-4
___ ___	Social Science/History/Government.....	3
___ ___	Social Science/Behavioral Science	3
___ ___	General Education Elective.....	1

Total General Education Credits 36
Lower Division Electives* 24 - 42

TOTAL LOWER DIVISION (ASSOCIATE DEGREE) REQUIREMENTS 60

* Students entering with an AS or A.A.S degree will have more than 24 elective credits and may need additional general education credits to meet the 36 general education credits required for the baccalaureate degree. Students entering with an A.A. degree may need additional electives to provide appropriate business and/or technical background for the baccalaureate program.

UPPER DIVISION REQUIREMENTS**

Upper Division Core Course Requirements..... 27
Additional Upper Division Course Requirements**..... 33

(Core course and specific emphasis courses are listed separately under each Area of Emphasis.)

TOTAL UPPER DIVISION ELECTIVE CREDITS REQUIRED** 60

TOTAL CREDITS REQUIRED FOR THE DEGREE 120

** Depending on the student’s associate’s degree, with approval, some lower division credits may be substituted for upper division electives; however, all students must complete at least 40 upper division credits to meet baccalaureate degree requirements.



UPPER DIVISION STATUS:

To be granted upper division status, a student must have completed an associate’s degree or 60 hours, to include all appropriate general education course requirements, and be admitted to an upper division program at Northwest Florida State College.

The upper level classifications are:

Junior:

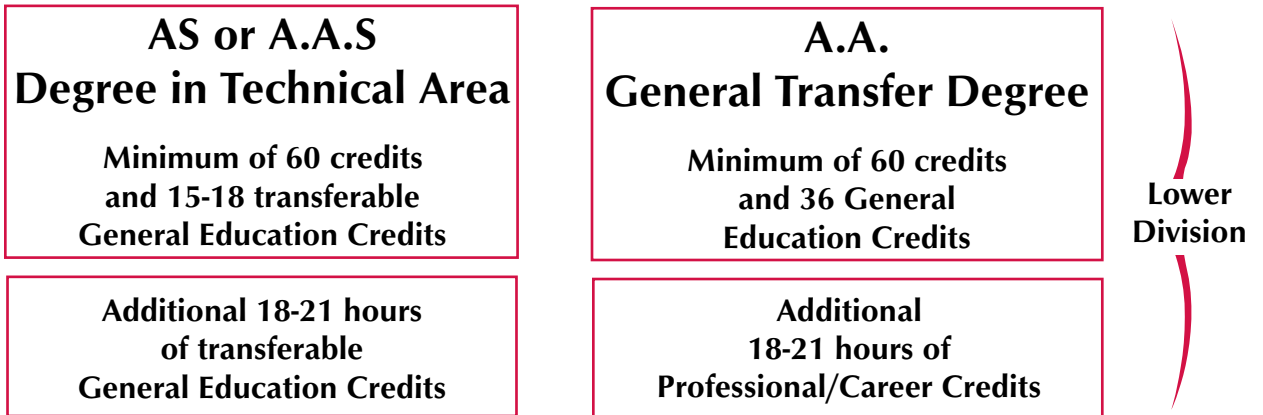
A student who has 60 to 89 hours of earned credit toward their program and has been accepted for admission to an upper division college program.

Senior:

A student who has 90 or more of earned credit toward their program and has been accepted for admission to an upper division college program.

Bachelor's Degree Project Management

BACCALAUREATE DEGREE PROGRAMS



Core Requirements of the BAS in Project Management
27 Credits
Student selected area of emphasis

Customized Program Plan to meet individual career goals

Upper Division



**120-CREDIT BACHELOR OF APPLIED SCIENCE
IN PROJECT MANAGEMENT**

revised 5/07

• Requirements for a Custom Program Plan

Admission Program Objective Code R100B

UPPER DIVISION REQUIREMENTS**

Core Requirements**		Credit Hours
GEB 3031	Contemporary Business Practices.....	3
ACG 3083	Accounting Concepts and Practice.....	3
MAN 3052	Management Philosophy and Practice.....	3
MAN 3583	Project Management.....	3
GEB 3434	Ethical Issues for Business Leaders	2
GEB 3213	Business and Administrative Communication.....	3
BUL 3320	Law and Business	3
FIN 4402	Financial and Economic Management.....	3
GEB 3933	Business Research	1
GEB 3444	Business Trends and Issues.....	3

Total Core Courses 27

Required Courses for a Custom Program Plan

MAN 3120	Leadership and Group Dynamics.....	3
MAN 4720	Strategic Planning and Management.....	3

Total Required Emphasis Credits..... 6

ELECTIVES

With the approval of an advisor, select 27 credits from the following:

Elective Courses	College Credits	
ACG 4901	Independent Study - Accounting	1
BUL 4333	Contract Formation and Administration.....	3
BUL 4931	Acquisitions Law Seminar.....	3
PAD 3003	Public Service Operations.....	3
PAD 4933	Special Topics: Public Service.....	3
GEB 3930	Business Project and Acquisitions Terms and Concepts	1
GEB 4454	Business in a High Technology Environment	3
GEB 4901	Independent Study - Business Administration.....	1
GEB 4930	Special Topics: Project Management.....	3
GEB 4931	Special Topics: Acquisitions	3
GEB 4932	Special Topics: Quality Improvement.....	3
GEB 4933	Special Topics: Management.....	3
GEB 4941	Internship: Business.....	3
MAN 3310	Issues in Human Resource Management.....	3
MAN 3320	Employee Staffing and Benefits	2
MAN 3350	Training and Development.....	2
MAN 3574	Acquisitions Management.....	3
MAN 4401	Labor Relations	2
MAN 4520	Quality Management	3
MAN 4555	Quality Certification: ISO 9000.....	3
MAN 4901	Independent Study - Management.....	1
MAN 4930	Applications Seminar: Acquisitions	3
MAN 4931	Applications Seminar: Project Management.....	3
MAN 4932	Contract Negotiations Seminar	3
MAN 4933	Best-Value Source Selection Seminar.....	3
MAN 4934	Logistics Management Seminar.....	3
MAN 4940	Internship: Management.....	3
— —	Other Approved Upper Division Elective(s).....	1-3
— —	Other Approved Lower Division Elective(s).....	3

Total Upper Division Electives** 27

TOTAL UPPER DIVISION REQUIREMENTS** 60

TOTAL CREDITS REQUIRED FOR THE DEGREE 120

• Requirements for an Emphasis in Acquisitions

Admission Program Objective Code R100C

UPPER DIVISION REQUIREMENTS**

Core Requirements**		Credit Hours
GEB 3031	Contemporary Business Practices.....	3
ACG 3083	Accounting Concepts and Practice.....	3
MAN 3052	Management Philosophy and Practice	3
MAN 3583	Project Management	3
GEB 3434	Ethical Issues for Business Leaders	2
GEB 3213	Business and Administrative Communication.....	3
BUL 3320	Law and Business	3
FIN 4402	Financial and Economic Management.....	3
GEB 3933	Business Research	1
GEB 3444	Business Trends and Issues.....	3

Total Core Courses 27

Required Courses for the Emphasis in Acquisitions

BUL 4333	Contract Formation and Administration.....	3
BUL 4931	Acquisitions Law Seminar.....	3
MAN 3574	Acquisitions Management.....	3
MAN 4930	Applications Seminar: Acquisitions	3

Total Emphasis Requirements..... 12

ELECTIVES

With the approval of an advisor, select 21 credits from the following:

Elective Courses	College Credits	
ACG 4901	Independent Study - Accounting	1
GEB 3930	Business Project and Acquisitions Terms and Concepts	1
GEB 4454	Business in a High Technology Environment	3
GEB 4901	Independent Study - Business Administration.....	1
GEB 4930	Special Topics: Project Management.....	3
GEB 4931	Special Topics: Acquisitions	3
GEB 4932	Special Topics: Quality Improvement.....	3
GEB 4933	Special Topics: Management.....	3
GEB 4941	Internship: Business.....	3
MAN 3120	Leadership and Group Dynamics	3
MAN 3310	Issues in Human Resource Management.....	3
MAN 3320	Employee Staffing and Benefits	2
MAN 3350	Training and Development.....	2
MAN 4401	Labor Relations	2
MAN 4520	Quality Management	3
MAN 4555	Quality Certification: ISO 9000.....	3
MAN 4720	Strategic Planning and Management	3
MAN 4901	Independent Study - Management.....	1
MAN 4931	Applications Seminar: Project Management.....	3
MAN 4932	Contract Negotiations Seminar.....	3
MAN 4933	Best-Value Source Selection Seminar.....	3
MAN 4934	Logistics Management Seminar.....	3
MAN 4940	Internship: Management.....	3
— —	Other Approved Upper Division Elective(s).....	1-3
— —	Other Approved Lower Division Elective(s).....	3

Total Upper Division Electives** 21

TOTAL UPPER DIVISION REQUIREMENTS** 60

TOTAL CREDITS REQUIRED FOR THE DEGREE 120

** Depending on the student's associate's degree, with approval, some lower division credits may be substituted for upper division electives; however, all students must complete at least 40 upper division credits to meet baccalaureate degree requirements.

Requirements for an Emphasis in Project Management

Admission Program Objective Code R100D

UPPER DIVISION REQUIREMENTS**

Core Requirements**		Credit Hours
GEB 3031	Contemporary Business Practices.....	3
ACG 3083	Accounting Concepts and Practice.....	3
MAN 3052	Management Philosophy and Practice.....	3
MAN 3583	Project Management.....	3
GEB 3434	Ethical Issues for Business Leaders	2
GEB 3213	Business and Administrative Communication.....	3
BUL 3320	Law and Business	3
FIN 4402	Financial and Economic Management.....	3
GEB 3933	Business Research	1
GEB 3444	Business Trends and Issues.....	3

Total Core Courses..... 27

Required Courses for the Emphasis in Project Management

BUL 4333	Contract Formation and Administration.....	3
MAN 4931	Applications Seminar: Project Management.....	3

Total Required Emphasis Credits..... 6

ELECTIVES

With the approval of an advisor, select 27 credits from the following:

Elective Courses		College Credits
ACG 4901	Independent Study - Accounting	1
BUL 4931	Acquisitions Law Seminar.....	3
GEB 4454	Business in a High Technology Environment	3
GEB 4901	Independent Study - Business Administration.....	1
GEB 4930	Special Topics: Project Management.....	3
GEB 4931	Special Topics: Acquisitions	3
GEB 4932	Special Topics: Quality Improvement.....	3
GEB 4933	Special Topics: Management.....	3
GEB 4940	Internship: Business.....	3
MAN 3120	Leadership and Group Dynamics.....	3
MAN 3310	Issues in Human Resource Management.....	3
MAN 3320	Employee Staffing and Benefits.....	2
MAN 3350	Training and Development.....	2
MAN 3574	Acquisitions Management.....	3
MAN 4401	Labor Relations	2
MAN 4520	Quality Management	3
MAN 4555	Quality Certification: ISO 9000.....	3
MAN 4720	Strategic Planning and Management.....	3
MAN 4901	Independent Study - Management.....	1
MAN 4930	Applications Seminar: Acquisitions	3
MAN 4932	Contract Negotiations Seminar.....	3
MAN 4933	Best-Value Source Selection Seminar.....	3
MAN 4934	Logistics Management Seminar.....	3
MAN 4940	Internship: Management.....	3
___ ___	Other Approved Upper Division Elective(s).....	1-3
___ ___	Other Approved Lower Division Elective(s).....	3

Total Upper Division Electives..... 27**

TOTAL UPPER DIVISION REQUIREMENTS..... 60**

TOTAL CREDITS REQUIRED FOR THE DEGREE..... 120

Requirements for an Emphasis in Public Services

Admission Program Objective Code R100G

UPPER DIVISION REQUIREMENTS**

Core Requirements**		Credit Hours
GEB 3031	Contemporary Business Practices.....	3
ACG 3083	Accounting Concepts and Practice.....	3
MAN 3052	Management Philosophy and Practice.....	3
MAN 3583	Project Management.....	3
GEB 3434	Ethical Issues for Business Leaders	2
GEB 3213	Business and Administrative Communication.....	3
BUL 3320	Law and Business	3
FIN 4402	Financial and Economic Management.....	3
GEB 3933	Business Research	1
GEB 3444	Business Trends and Issues.....	3

Total Core Courses..... 27

Required Courses for an Emphasis in Public Service Management

PAD 3003	Public Service Operations.....	3
MAN 3120	Leadership and Group Dynamics.....	3
MAN 4720	Strategic Planning and Management	3
PAD 3882	Issues in Public Service Administration	4

Total Required Emphasis Credits..... 13

ELECTIVES

With the approval of an advisor, select 20 credits from the following:

Elective Courses		College Credits
ACG 4901	Independent Study - Accounting	1
PAD 3393	Advanced Emergency Management.....	3
GEB 3930	Business Project and Acquisitions Terms and Concepts	1
GEB 4454	Business in a High Technology Environment	3
GEB 4901	Independent Study - Business Administration.....	1
GEB 4933	Special Topics: Management.....	3
PAD 4933	Special Topics: Public Service.....	3
GEB 4941	Internship: Business.....	3
MAN 3310	Issues in Human Resource Management.....	3
MAN 3350	Training and Development.....	2
MAN 4401	Labor Relations	2
MAN 4520	Quality Management	3
MAN 4720	Strategic Planning and Management	3
MAN 4901	Independent Study - Management.....	1
MAN 4940	Internship: Management.....	3
___ ___	Other Approved Upper Division Elective(s).....	___
___ ___	Other Approved Lower Division Elective(s)**.....	___

Total Upper Division Electives..... 20**

TOTAL UPPER DIVISION REQUIREMENTS..... 60**

TOTAL CREDITS REQUIRED FOR THE DEGREE..... 120

** Depending on the student's associate's degree, with approval, some lower division credits may be substituted for upper division electives; however, all students must complete at least 40 upper division credits to meet baccalaureate degree requirements.

• **Requirements for an Emphasis in Quality Improvement**

Admission Program Objective Code R100F

UPPER DIVISION REQUIREMENTS**

Core Requirements**		Credit Hours
GEB 3031	Contemporary Business Practices.....	3
ACG 3083	Accounting Concepts and Practice.....	3
MAN 3052	Management Philosophy and Practice.....	3
MAN 3583	Project Management.....	3
GEB 3434	Ethical Issues for Business Leaders.....	2
GEB 3213	Business and Administrative Communication.....	3
BUL 3320	Law and Business.....	3
FIN 4402	Financial and Economic Management.....	3
GEB 3933	Business Research.....	1
GEB 3444	Business Trends and Issues.....	3

Total Core Courses..... 27

Required Courses for the Emphasis in Quality Improvement

MAN 4520	Quality Management.....	3
MAN 4555	Quality Certification: ISO 9000.....	3

Total Emphasis Requirements..... 6

ELECTIVES

With the approval of an advisor, select 27 credits from the following:

Elective Courses		College Credits
ACG 4901	Independent Study - Accounting.....	1
BUL 4333	Contract Formation and Administration.....	3
BUL 4931	Acquisitions Law Seminar.....	3
GEB 3930	Independent Study - Business Administration.....	1
GEB 4454	Business in a High Technology Environment.....	3
GEB 4930	Special Topics: Project Management.....	3
GEB 4931	Special Topics: Acquisitions.....	3
GEB 4932	Special Topics: Quality Improvement.....	3
GEB 4933	Special Topics: Management.....	3
GEB 4901	Independent Study - Business Administration.....	1
GEB 4941	Internship: Business.....	3
MAN 3120	Leadership and Group Dynamics.....	3
MAN 3310	Issues in Human Resource Management.....	3
MAN 3320	Employee Staffing and Benefits.....	2
MAN 3350	Training and Development.....	2
MAN 3574	Acquisitions Management.....	3
MAN 4401	Labor Relations.....	2
MAN 4720	Strategic Planning and Management.....	3
MAN 4901	Independent Study - Management.....	1
MAN 4930	Applications Seminar: Acquisitions.....	3
MAN 4931	Applications Seminar: Project Management.....	3
MAN 4932	Contract Negotiations Seminar.....	3
MAN 4933	Best-Value Source Selection Seminar.....	3
MAN 4934	Logistics Management Seminar.....	3
MAN 4940	Internship: Management.....	3
___ ___	Other Approved Upper Division Elective(s).....	1-3
___ ___	Other Approved Lower Division Elective(s).....	3

Total Upper Division Electives..... 27**

TOTAL UPPER DIVISION REQUIREMENTS..... 60**

TOTAL CREDITS REQUIRED FOR THE DEGREE..... 120

• **Requirements for an Emphasis in Training and Development/Human Resources**

Admission Program Objective Code R100E

UPPER DIVISION REQUIREMENTS**

Core Requirements**		Credit Hours
GEB 3031	Contemporary Business Practices.....	3
ACG 3083	Accounting Concepts and Practice.....	3
MAN 3052	Management Philosophy and Practice.....	3
MAN 3583	Project Management.....	3
GEB 3434	Ethical Issues for Business Leaders.....	2
GEB 3213	Business and Administrative Communication.....	3
BUL 3320	Law and Business.....	3
FIN 4402	Financial and Economic Management.....	3
GEB 3933	Business Research.....	1
GEB 3444	Business Trends and Issues.....	3

Total Core Courses..... 27

Required Courses for the Emphasis in Training and Development

MAN 3310	Issues in Human Resource Management.....	3
MAN 3120	Leadership and Group Dynamics.....	3
MAN 3350	Training and Development.....	2

Total Required Emphasis Credits..... 8

ELECTIVES

With the approval of an advisor, select 25 credits from the following:

Elective Courses		College Credits
ACG 4901	Independent Study - Accounting.....	1
BUL 4333	Contract Formation and Administration.....	3
BUL 4931	Acquisitions Law Seminar.....	3
GEB 4454	Business in a High Technology Environment.....	3
GEB 4901	Independent Study - Business Administration.....	1
GEB 4930	Special Topics: Project Management.....	3
GEB 4931	Special Topics: Acquisitions.....	3
GEB 4932	Special Topics: Management.....	3
GEB 4933	Special Topics: Quality Improvement.....	3
GEB 4941	Internship: Business.....	3
MAN 3320	Employee Staffing and Benefits.....	2
MAN 3574	Acquisitions Management.....	3
MAN 4401	Labor Relations.....	2
MAN 4520	Quality Management.....	3
MAN 4555	Quality Certification: ISO 9000.....	3
MAN 4720	Strategic Planning and Management.....	3
MAN 4901	Independent Study - Management.....	1
MAN 4930	Applications Seminar: Acquisitions.....	3
MAN 4931	Applications Seminar: Project Management.....	3
MAN 4932	Contract Negotiations Seminar.....	3
MAN 4933	Best-Value Source Selection Seminar.....	3
MAN 4934	Logistics Management Seminar.....	3
MAN 4940	Internship: Management.....	3
___ ___	Other Approved Upper Division Elective(s).....	1-3
___ ___	Other Approved Lower Division Elective(s).....	3

Total Upper Division Electives..... 25**

TOTAL UPPER DIVISION REQUIREMENTS..... 60**

TOTAL CREDITS REQUIRED FOR THE DEGREE..... 120

** Depending on the student's associate's degree, with approval, some lower division credits may be substituted for upper division electives; however, all students must complete at least 40 upper division credits to meet baccalaureate degree requirements.

BACHELOR OF SCIENCE IN NURSING (BSN) DEGREE



At catalog press time this program is pending final approval and is subject to change. Students should check with the Northwest Florida State College Nursing Department or the college website for current information.

The Bachelor of Science in Nursing degree is designed as an AS to BS degree career ladder and is open to applicants who currently hold a valid Florida Registered Nursing license and have completed an accredited ADN or Diploma program. Availability of clinical placement opportunities may limit enrollment in the program. The program can be completed in three to four semesters. Program content for the BSN Program meets Florida Board of Nursing curricular standards, as well as those specified in Florida's AS to BS Articulation Manual. All courses are available at the Northwest Florida State College Niceville campus, and clinical instruction targets the specific needs of Okaloosa and Walton County health care providers.

• Bachelor of Science in Nursing (BSN) Degree

Admission Program Objective Code S100

LOWER DIVISION COURSES

General Education Course	Credit Hours
ENC 1101 English Composition I.....	3
ENC 1102 English Composition II.....	3
MAC 1105 College Algebra	3
STA 2023 Statistics.....	3
_____ General Education Humanities (SATC).....	6
BSC 1085C Anatomy and Physiology I.....	4
BSC 1086C Anatomy and Physiology II.....	4
CHM 1032C Chemistry for Life Sciences.....	4
(or higher level Chemistry course)	
PSY 2012 Psychology.....	3
_____ GE Social Science/History/Government.....	3

Total General Education Credits.....36

BSN Common Prerequisite Courses	Credit Hours
DEP 2004 Human Growth and Development	3
HUN 2201 Nutrition (or NUR equivalent).....	3
MCB 2010C Microbiology.....	4
SYG 2000 Sociology.....	3

Total Common Prerequisite Courses.....13

Foreign Language

Credits must be earned in the same foreign language; the requirement may also be satisfied with two years of the same high school foreign language or appropriate score on an approved CLEP examination.....**8**

Lower Division Nursing and Other Courses

Generally, these are the NUR courses required in the associate degree nursing program; credits may vary depending on how many additional non-NUR credits are needed to meet associate degree requirements.....**10-44**

Total Lower Division Credits

Lower division credits may differ from this number depending on whether or not the student must complete additional prerequisites or foreign language credits.....**76**

UPPER DIVISION COURSES

Courses	College Credits
NUR 3080 Dimensions of Baccalaureate Nursing Practice	3
NUR 3955 Portfolio I.....	1
NUR 3067 Health Assessment.....	3
NUR 3067L Health Assessment Lab.....	1
NUR 3679 Nursing Care of Complex Clients.....	3
NUR 4165 Evidence-Based Practice	3
NUR 4615 Family & Community Health	3
NUR 4615L Family & Community Lab.....	2
NUR ____* Upper Division Nursing Electives	3
NUR 4827 Nursing Management & Leadership	3
NUR 4827L Nursing Management Lab.....	2
NUR 4956 Portfolio II	1
NUR 3837 Health Care Issues	2

Total Upper Division Nursing Credits.....30

*Available Upper Division Nursing Electives Credits

NUR 3653 Spanish for Health Care Providers.....	3
NUR 3678 Nursing Care of Vulnerable Populations	3
NUR 4295 Intro to Critical Care	3

Portfolio

Credits are awarded after successful completion of the Portfolio I and II courses.....**14**

Total Upper Division Credits.....44

TOTAL CREDITS FOR THE BSN DEGREE.....120

BACHELOR OF SCIENCE IN ELEMENTARY EDUCATION

The Bachelor of Science in Elementary Education degree is designed to provide a career ladder for those who have already completed an Associate of Arts (A.A.) degree from a regionally accredited college or university, or have at least 60 semester hours of postsecondary education from a regionally accredited college or university and who wish to continue their education at the bachelor's level. The Bachelor of Science in Elementary Education will also offer the opportunity for endorsements in Reading and English as a Second Language.

At catalog press time final review and approval of the curriculum for this program was pending.

• | Bachelor of Science in Elementary Education

Admission Program Objective Code S200E

LOWER DIVISION (ASSOCIATE DEGREE) COURSES

Core Requirements		Credit Hours
ENC 1101	English Composition I	3
ENC 1102	English Composition II	3
_____	Two college level math classes (MFG 1106 and MAC 1105 recommended) ..	6
_____	Two humanities classes (HUM 1020 recommended)	6
GLY 2010C	Physical Geology ^{1,2}	4
PHY _____	Physical Science ¹	4
BSC _____	Biological Science ¹	4
_____	Two of the following social science classes: POS 1041, GEA 1000, AMH 20X0.....	6

- ¹ At least one physical or biological science must include a lab.
² Other general education natural science courses may meet program requirements; see your advisor.

Total Core Lower Division Credits 36

Common Prerequisites		Credit Hours
EDF 1005	Introduction to Education	3
EDG 2701	Teaching Diverse Populations	3
EME 2040	Introduction to Educational Technology	3

Total Common Prerequisites Credits 9

LOWER DIVISION ELECTIVES

With the approval of an advisor, select 15 credits from the following:

Lower Elective Courses		College Credits
AMH _____	American History I or II.....	3
CLP 2140	Abnormal Psychology.....	3
DEP 2100	Child Growth and Development I.....	3
DEP 2004	Human Growth and Development	3
ECO _____	Economics I or II.....	3
EDP 2002	Educational Psychology	3
EEX 2010	Introduction to Exceptional Children.....	3
GEA 1000	World Geography	3
HSC 1400	First Aid.....	3
LIS 2004	Internet Research	1
POS 1041	American Government.....	3
PSY 2012	Psychology	3
SPC 1600	Speech	3
SYG 2010	Social Problems	3
SYG 2000	Sociology.....	3

Total Lower Division Elective Credits 15

TOTAL LOWER DIVISION (ASSOCIATE DEGREE) REQUIREMENTS³ 60

³ Students who do not have foreign language requirement at the high school level will need to complete eight (8) credits of foreign language.

UPPER DIVISION COURSES⁴

Core Professional Education Courses		Credit Hours
EDF 3214	Human Development and Learning.....	3
EDE 3301	Elementary School Teaching Strategies	3
EDF 3430	Measurement, Evaluation and Assessment in Education	3
EEX 3070	Methods of Inclusion & Collaboration	3
EDG 3410C	Classroom Management, School Safety, Law and Ethics	3
TSL 3080	Foundations of Teaching ESOL in the Schools ...	3
TSL 4081C	TESOL Issues and Practice	3
RED 3309C	Early and Emergent Literacy K-2.....	3
RED 3511C	Intermediate Literacy 3-6: Reading and Thinking.....	3
RED 4519C	Diagnostic and Instructional Interventions in Reading	3

Total Core Professional Education Credits..... 30

METHOD COURSES

Method Courses		College Credits
LAE 4313	Language Skills & Literature	3
LAE 4314C	Methods in Teaching Language Arts in Elementary School.....	3
MAE 3310C	Teaching Elementary School Mathematics Methods.....	3
SCE 3310C	Teaching Science in the Elementary School Methods.....	3
SSE 4313C	Teaching Social Science in Elementary School Methods.....	3
EDE 4223C	Integrating Art, Music, & Physical Education Methods.....	3
RED 4312	Integration of Assessment into Classroom Reading.....	2

Total Method Courses Credits..... 20

INTERNSHIP AND SEMINAR (12 HOURS)

Internship Courses		College Credits
EDE 4940	Student Teaching Internship: Elementary Education.....	9
EDE 4930C	Seminar in Elementary Education	1

Total Internship and Seminar Credits 10

OPTIONAL READING COMPETENCY 6 COURSE

RED 4854L	Reading Practicum	2
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TOTAL UPPER DIVISION CREDITS 60-62

TOTAL CREDITS FOR THE DEGREE 120-122

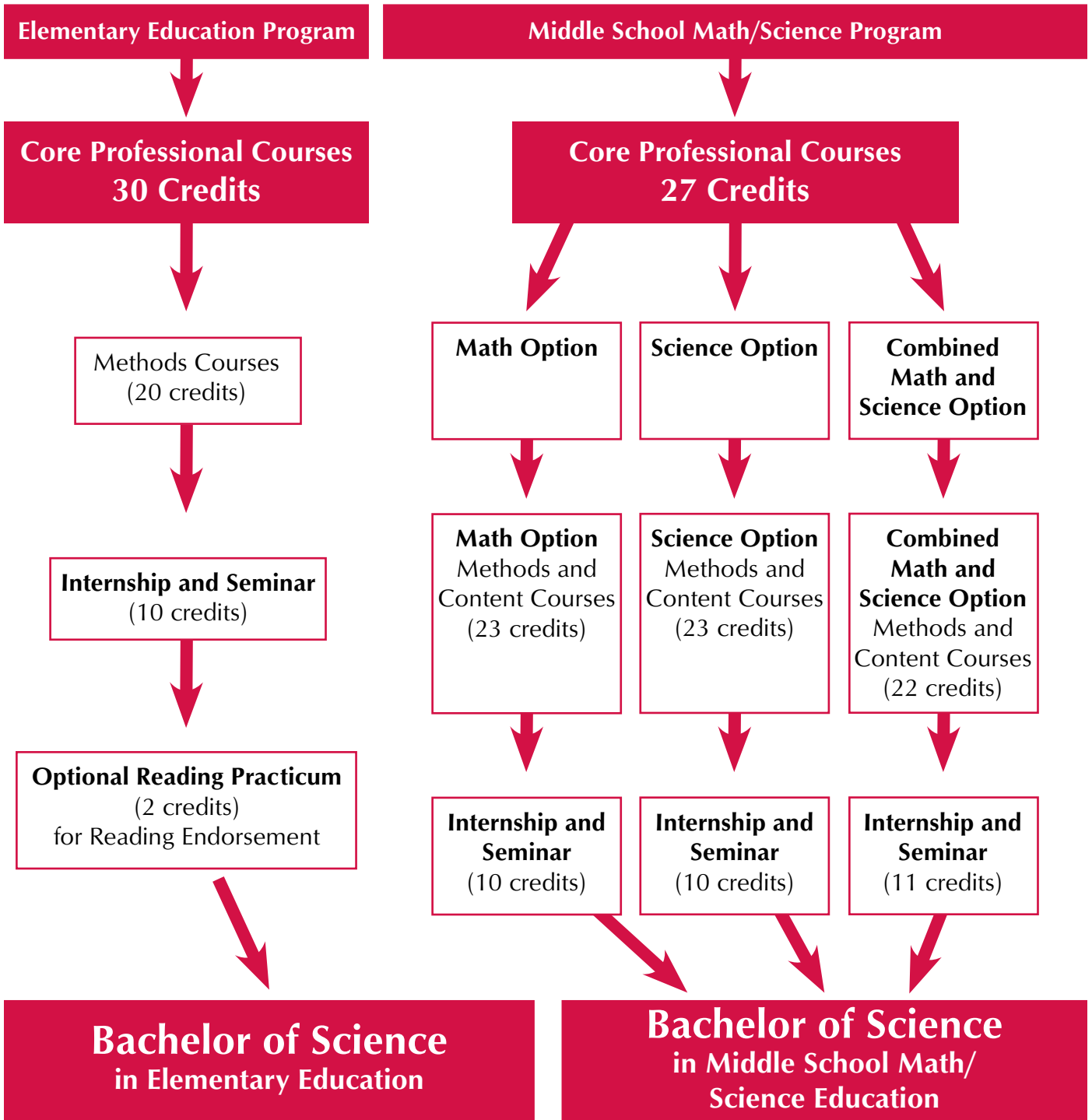
⁴ Courses with the "C" or "L" designation include an extra number of "lab" hours to accommodate field experiences.

Bachelor's in Teacher Education

Programs in Elementary and Middle School Math/Science Education

BACCALAUREATE DEGREE PROGRAMS

A.A. degree or 60 hours approved lower division credits; must include the three lower division education prerequisites: EDF 1005, EDG 2701, EME 2040



BACHELOR OF SCIENCE IN MIDDLE GRADES MATH / SCIENCE EDUCATION (BSE)

The following program of study is designed to prepare students not only for the A.A. degree, but also for the general knowledge middle grades math and middle grades science subject area exams in the Florida Teacher Certification Exam (FTCE) Program. If you plan to be a middle grades math or science teacher and are just beginning your A.A. degree, this program of study will best prepare you for that career choice. If you have already completed your A.A. degree and some of your general education courses differ from those listed below, your A.A. degree will still meet that component of the admission process; however, you may need to complete additional coursework, independent study, or workshops to be well prepared for the middle grades education FTCE exam.

There are three options in the Math/Science Education degree: Math, Science, and Math and Science. While there is no single certification exam for both Math and Science, these three options allow students to prepare to take the Math subject area exam, the Science subject area exam, or both.

At catalog press time final review and approval of the curriculum for this program was pending. Please see College website for the course descriptions for the Middle Grades Math/Science Degree.

Middle Grades Math/Science Education: Math Option Admission Program Objective Code S200M

LOWER DIVISION (ASSOCIATE DEGREE) COURSES

General Education Courses		Credit Hours
ENC 1101	English Composition I.....	3
ENC 1102	English Composition II.....	3
MAC 1105	College Algebra.....	3
MAC 1140	Pre-calculus Algebra.....	3
_____	Two General Education Humanities courses.....	6
_____	General Education Social Science/History/ Government course.....	3
PSY 2012	Psychology.....	3
GLY 2010C	Physical Geology ^{1, 2}	4
_____	General Education Biological Science ¹	4
_____	General Education Science ¹	4

¹ At least one physical or biological science must include a lab.
² Other general education natural science courses may meet program requirement; see your advisor.

Total General Education Credits 36

Common Prerequisites		Credit Hours
EDF 1005	Introduction to Education.....	3
EDG 2701	Teaching Diverse Populations.....	3
EME 2040	Introduction to Educational Technology.....	3

Total Common Prerequisites Credits 9

LOWER DIVISION ELECTIVES
With the approval of an advisor, select 15 credits from the following:

Lower Elective Courses		Credits Hours
MGF 1106	Math for Liberal Arts I.....	3
STA 2023	Statistics (or another approved transferable math course).....	3
SPC 1600	Speech.....	3
AMH 2010/2020	American History I or II.....	3
POS 1041	American Government.....	3

Total Lower Division Elective Credits 15

TOTAL LOWER DIVISION (ASSOCIATE DEGREE) REQUIREMENTS³ 60

³ Students who do not have foreign language requirement at the high school level will need to complete eight (8) credits of foreign language.

UPPER DIVISION COURSES⁴

General Professional Education Courses		Credit Hours
EDF 3131C	Learning and the Developing Adolescent.....	3
EDF 3430	Measurement, Evaluation & Assessment in Education.....	3
EEX 3070	Methods of Inclusion & Collaboration.....	3
EDG 3410C	Classroom Management, School Safety, Law & Ethics.....	3
EDG 3343	Instructional Strategies.....	3
EME 3410C	Integrating Technology in the Classroom.....	3
TSL 4081C	TESOL Issues and Practice.....	3
RED 3335C	Teaching Reading in the Content Areas.....	3
RED 3324C	Teaching in the Middle School Curriculum.....	3

Total Core Professional Education Credits..... 27

Additional Courses Required		Credit Hours
MAE 4312C	How Children Learn Math.....	3
MAE 4320C	Teaching Methods in Middle School Math.....	3
MAE 4940C	Teaching Methods in Middle School Math Practicum.....	1
MTG 2206	College Geometry.....	3
MAC 1114	Trigonometry.....	3
MAC 2311	Calculus I.....	4
MHF 4404	The History of Math.....	3
_____	Math elective.....	3

Total Additional Required Credits..... 23

Student Teaching		Credit Hours
MAE 4945	Student Teaching in Math.....	9
MAE 4930C	Seminar in Math Education.....	1

Total Student Teaching Credits..... 10

TOTAL UPPER DIVISION CREDITS 60
TOTAL CREDITS FOR THE DEGREE 120

⁴ Courses with the "C" or "L" designation include an extra number of "lab" hours to accommodate field experiences.

Middle Grades Math/Science Education: Science Option Admission Program Objective Code S2005

All students in the Science Option must take a two-course science sequence with a lab. Substitutions for the biology sequence and for any other coursework in this program of study must be approved by the Teacher Education Advisor.

At catalog press time final review and approval of the curriculum for this program was pending. Please see College website for the course descriptions for the Middle Grades Math/Science Degree.

LOWER DIVISION (ASSOCIATE DEGREE) COURSES

General Education Courses	Credit Hours
ENC 1101 English Composition I.....	3
ENC 1102 English Composition II.....	3
MAC 1105 College Algebra.....	3
MAC 1140 Pre-calculus Algebra.....	3
_____ Two General Education Humanities courses.....	6
_____ General Education Social Science/ History/Government course.....	3
PSY 2012 Psychology.....	3
GLY 2010C Physical Geology ²	4
BSC 1010C Principles of Biology I.....	4
CHM 1025 Chemical Science OR	
PHY 1020 Physical Science.....	4

² Other general education natural science courses may meet program requirement; see your advisor.

Total General Education Credits 36

Common Prerequisites	Credit Hours
EDF 1005 Introduction to Education.....	3
EDG 2701 Teaching Diverse Populations.....	3
EME 2040 Introduction to Educational Technology.....	3

Total Common Prerequisites Credits 9

Lower Division Electives	Credit Hours
SPC 1600 Speech.....	3
LIS 2004 Internet Research.....	1
AMH 2010 American History I or II.....	3
POS 1041 American Government.....	3
_____ A science lab.....	1
_____ A science elective.....	4

Total Lower Division Elective Credits 15

TOTAL LOWER DIVISION (ASSOCIATE DEGREE) REQUIREMENTS³ 60

³ Students who do not have foreign language requirement at the high school level will need to complete eight (8) credits of foreign language.



UPPER DIVISION COURSES⁴

Core Professional Education Courses	Credit Hours
EDF 3131C Learning and the Developing Adolescent.....	3
EDF 3430 Measurement, Evaluation & Assessment in Education.....	3
EEX 3070 Methods of Inclusion & Collaboration.....	3
EDG 3410C Classroom Management, School Safety, Law & Ethics.....	3
EDG 3343 Instructional Strategies.....	3
EME 3410C Integrating Technology in the Classroom.....	3
TSL 4081C TESOL Issues and Practice.....	3
RED 3335C Teaching Reading in the Content Areas.....	3
RED 3324C Teaching in the Middle School Curriculum.....	3

Total Core Professional Education Credits..... 27

Additional Courses Required	Credit Hours
SCE 4320C Teaching Methods in Middle School Science.....	3
SCE 4940C Teaching Methods in Middle School Science Practicum.....	1
ISC 4145 Global Systems.....	3
BSC 1011C Principles of Biology II.....	4
CHM 1025 Chemical Science OR	
PHY 1020 Physical Science.....	4
_____ Two science electives.....	8

Total Additional Courses Required Credits..... 23

Student Teaching	Credit Hours
SCE 4945 Student Teaching in Science.....	9
SCE 4930C Seminar in Science Education.....	1

Total Student Teaching Credits..... 10

TOTAL UPPER DIVISION CREDITS 60
TOTAL CREDITS FOR THE DEGREE 120

⁴ Courses with the "C" or "L" designation include an extra number of "lab" hours to accommodate field experiences.

Middle Grades Math/Science Education: Math and Science Option Admission Program Objective Code S200C

All students in the Math/Science Option must take a two-course science sequence with a lab. Substitutions for the biology sequence and for any other coursework in this program of study must be approved by the Teacher Education Advisor.

At catalog press time final review and approval of the curriculum for this program was pending. Please see College website for the course descriptions for the Middle Grades Math/Science Degree.

LOWER DIVISION (ASSOCIATE DEGREE) COURSES

General Education Courses		Credit Hours
ENC 1101	English Composition I.....	3
ENC 1102	English Composition II.....	3
MAC 1105	College Algebra.....	3
MAC 1140	Pre-calculus Algebra.....	3
_____	Two General Education Humanities courses.....	6
_____	General Education Social Science/History Government course.....	3
PSY 2012	Psychology.....	3
GLY 2010C	Physical Geology ²	4
BSC 1010C	Principles of Biology I.....	4
CHM 1025	Chemical Science	
OR		
PHY 1020	Physical Science.....	4

² Other general education natural science courses may meet program requirement; see your advisor.

Total General Education Credits 36

Common Prerequisites		Credit Hours
EDF 1005	Introduction to Education.....	3
EDG 2701	Teaching Diverse Populations.....	3
EME 2040	Introduction to Educational Technology.....	3

Total Common Prerequisites Credits 9

LOWER DIVISION ELECTIVES

With the approval of an advisor, select 15 credits from the following:

Lower Elective Courses		Credit Hours
MAC 1114	Trigonometry.....	3
STA 2023	Statistics.....	3
BSC 1011C	Principles of Biology II.....	4
MGF 1106	Math for Liberal Arts I.....	3
_____	Any lower division transferable math or science course.....	_____

Total Lower Division Elective Credits 15

TOTAL LOWER DIVISION (ASSOCIATE DEGREE) REQUIREMENTS³ 60

³ Students who do not have foreign language requirement at the high school level will need to complete eight (8) credits of foreign language.



UPPER DIVISION COURSES⁴

Core Professional Education Courses		Credit Hours
EDF 3131C	Learning and the Developing Adolescent.....	3
EDF 3430	Measurement, Evaluation & Assessment in Education.....	3
EEX 3070	Methods of Inclusion & Collaboration.....	3
EDG 3410C	Classroom Management, School Safety, Law & Ethics.....	3
EDG 3343	Instructional Strategies.....	3
EME 3410C	Integrating Technology in the Classroom.....	3
TSL 4081C	TESOL Issues and Practice.....	3
RED 3335C	Teaching Reading in the Content Areas.....	3
RED 3324C	Teaching in the Middle School Curriculum.....	3

Total Core Professional Education Credits..... 27

Additional Courses Required		Credit Hours
MAE 4320C	Teaching Methods in Middle School Math.....	3
MAE 4940C	Teaching Methods in Middle School Math Practicum.....	1
SCE 4320C	Teaching Methods in Middle School Science.....	3
SCE 4940C	Teaching Methods in Middle School Science Practicum.....	1
MTG 2206	College Geometry.....	3
ISC 4145	Global Systems.....	3
CHM 1025	Chemical Science	
	OR	
PHY 1020	Physical Science.....	4
_____	Math elective.....	4

Total Additional Courses Required Credits..... 22

Student Teaching		Credit Hours
MAE 4945	Student Teaching in Math OR	
SCE 4945	Student Teaching in Science.....	9
SCE 4930C	Seminar in Science Education.....	1
MAE 4930C	Seminar in Math Education.....	1

Total Student Teaching Credits..... 11

TOTAL UPPER DIVISION CREDITS 60

TOTAL CREDITS FOR THE DEGREE 120

⁴ Courses with the "C" or "L" designation include an extra number of "lab" hours to accommodate field experiences.

ASSOCIATE OF ARTS (A.A.) DEGREE



Admission Program Objective Code 1043

The Associate of Arts Degree is equivalent to the first two years of a bachelor's degree program and is offered for those students planning to transfer to a four-year institution, or remain at Northwest Florida State College to complete the last two years of a bachelor's degree program. The A.A. Degree is awarded upon satisfactory completion of 60 credit hours of general education and college credit electives, attainment of the appropriate minimum grade point averages, CLAST requirements, and completion of all other applicable college graduation requirements, including the Speaking-Across-the-Curriculum and computer literacy requirements.

A.A. Degree students should work closely with a counselor or faculty advisor to select the appropriate courses to meet their degree goals.

A.A. Degree Requirements

The A.A. Degree curriculum requires the following.

1. Complete a minimum of 60 college credits per the following distribution:
 - Complete 36 credit hours of general education courses distributed appropriately across the Communications, Humanities, Social Sciences, Mathematics, Natural Sciences, and General Education Elective Categories presented on pages 80 and 81.
 - Complete 24 credit hours of non-occupational college credit electives. (Students should consult with a counselor or advisor to select the electives most appropriate to their intended baccalaureate program.)

2. Meet the minimum grade and writing requirements specified in FAC Rule 6A-10.030 (the "Gordon Rule"):
 - Attain a grade of "C" or higher in each Gordon Rule writing course (any general education course from the Communications or Humanities Categories, and those designated as Gordon Rule in the Social Science Category), whether credits in such courses are earned at Northwest Florida State College or elsewhere.
 - Complete the Gordon Rule writing requirement; (students who complete 6 credits each from the Communications and Humanities Categories, and an additional Gordon Rule Social Science course, will satisfy this requirement).
 - Attain a grade of "C" or higher in each Gordon Rule Mathematics course (any course from the Mathematics Category that is used to meet A.A. general education requirements), whether credits in such courses are earned at Northwest Florida State College or elsewhere.

3. Satisfy the College-Level Academic Skills Test (CLAST) requirements.
4. Complete at least 15 credits at Northwest Florida State College; (normally, an A.A. Degree seeking student will be required to complete his/her last fifteen credits at Northwest Florida State College).
5. Maintain minimum GPA standards as specified in the graduation requirements section, on pages 57-59.
6. Meet all general college graduation requirements.

Custom Designed Associate of Arts Degree Programs:

Students who wish to pursue a planned program of transfer studies customized to meet the requirements of a specific program or upper-division school may request development of a customized A.A. Degree plan by submitting a written request to the Senior Vice President. If approved, the student will work with an advisor from the specialty area to develop his/her sequence of courses. Customized plans must accommodate the NWF State College general education requirements, as well as all applicable college graduation policies.

Transferring to another Four-Year College or University within the State of Florida:

Faculty members, counselors and advisors will gladly assist students in achieving a smooth transfer to other institutions in Florida. Liaison representatives from the respective public institutions in the state are eager to help. Several of the liaisons make regular visits to campus and will meet directly with students to answer questions. The names of the liaisons and dates of upcoming visits are available in the Office of Enrollment Services. In addition, [Common Prerequisite Manuals](#) for the Florida State University System, as well as many university catalogs are available in the Learning Resources Center, and the student services areas at each college location or at www.facts.org.

It is desirable that students transferring to a senior institution plan their program so that common prerequisites can be completed for the upper-division transfer school for their major. It is best for the student to complete the entire two-year degree program prior to transfer, as A.A. graduates who transfer to one of the institutions in the Florida State University System enjoy certain protections under the statewide articulation agreement. These rights are presented in the "Student Bill of Rights" on the next page.

• A.A. Degree Requirements (continued)

While Northwest Florida State College offers the necessary prerequisites for most of the State of Florida University Baccalaureate Programs beginning on page 82, degree plans for the most common A.A. transfer programs and the articulation agreement between Northwest Florida State college and Florida A & M University (FAMU) pre-architecture programs are listed beginning on page 89. Students are encouraged to consult a current catalog from the upper-division school where they plan to transfer in addition to meeting with a College advisor or faculty member to acquire an official program plan of study for their intended major.

Special Foreign Language Requirements for Entry into Upper-Level Florida Universities:

Effective August 1, 1990, according to requirements of the Florida Board of Regents, new applicants to any of the state universities must have completed two years of one foreign language in high school, or eight-ten credit hours in one foreign language at the college level. There are two exceptions to this requirement: 1) students who received an A.A. Degree prior to September 1, 1989, or 2) students who enrolled in a program leading to an A.A. Degree prior to August 1, 1989 and maintained continuous enrollment. Students who are not exempt but fail to satisfy the requirement, may be admitted to the university as part of the 5% admissions exceptions group but will be required to complete eight-ten credit hours in one foreign language as a graduation requirement, regardless of the requirements in the student's major. Students transferring into the Florida SUS without an A.A. Degree or fewer than 60 transferable credits must meet this foreign language requirement before going on to the upper division. Northwest Florida State College offers the necessary coursework in French, Spanish, and American Sign Language (ASL) to meet the Florida SUS admission requirements.

• Student Bill of Rights

Florida Community College Associate of Arts graduates are guaranteed the following rights under the Statewide Articulation Agreement (State Board of Education Rule 6A-10.024):

1. Admission to one of the state universities, except to limited access* programs.
2. Acceptance of at least 60 credit hours by the state university toward the baccalaureate degree.
3. Adherence to university requirements and policies based on the catalog in effect at the time the student first entered a community college, provided the student maintains continuous enrollment.
4. Transfer of equivalent courses under the Statewide Course Numbering System.
5. Acceptance by the state universities of credit earned in accelerated programs (e.g., CLEP, DANTES, AP, PEP, Dual Enrollment, Early Admission and International Baccalaureate).
6. No additional General Education Core requirements.
7. Advance knowledge of selection criteria for limited access programs.
8. Equal opportunity with native university students to enter limited access programs.

Should any guarantee be denied, students have the right of appeal. Each state university and community college shall make available established appeal procedures through the respective articulation officers. At Northwest Florida State College, students may contact the Senior Vice President or the Dean of Students.

* **Limited Access is the designation given to programs that require additional admission requirements which are more selective than general admission requirements. These may include the following: increased total GPA and test scores; additional courses and prerequisites; and auditions and portfolios.**

GENERAL EDUCATION



GENERAL EDUCATION



All Northwest Florida State College degree programs contain both specialized courses and general education courses. Bachelor of Applied Science, Bachelor of Science and Associate of Arts students complete at least thirty-six (36) general education credits from five subject area categories. Associate of Science and Associate of Applied Science students complete at least eighteen (18) general education credits from five (5) subject areas. The general education component of each program is designed to further the mission and goals of the college. Upon successful completion of general education coursework, the student will:

- demonstrate proficiency in reading, writing, speaking and listening;
- apply reflection, analysis, synthesis, logical reasoning and evaluation to formulate judgments, reach decisions and solve problems;
- understand and apply mathematical and scientific principles and methods;
- find, evaluate, organize and use information accurately and effectively; and participate actively as informed and responsible citizens in social, cultural, global and environmental matters.

The Northwest Florida State College General Education Program is designed to conform to all applicable regional accreditation criteria, Florida State Board of Education Rules, and the Florida Statewide Articulation Agreement. To that end, the program incorporates a computer technology component, an oral communication requirement, and minimum grade and writing requirements as stipulated in Florida's "Gordon Rule."

• Technology-Across-the-Curriculum

Competence in basic computer technology skills is an essential component of life. Accordingly, Northwest Florida State College has incorporated computer technology throughout its programs and courses. Each two-year degree program contains at least one

course, which requires the student to demonstrate fundamental computer skills. All ENC 1101 (English Composition) classes are taught in a computer classroom and students are required to complete assignments and other activities via the personal computer. CGS 1100 (Microcomputer Applications) is a requirement or prerequisite course in many A.S. and A.A.S. Degrees. Other courses such as BSC 1085C (Anatomy and Physiology I), ACG 2001 (Accounting I), EME 2040 (Introduction to Educational Technology), and MUT 1121 (Music Theory) are either taught in a computer lab or specify computerized learning activities. In support of the computer technology requirement, the College offers student access to open computer labs at all college sites.

B.A.S., B.S., A.A. and A.S. Degree-seeking students will meet the computer technology skill requirement through completion of ENC 1101 and/or CGS 1100 and may encounter more advanced computer skills in other elective, technical or general education courses. A.A.S. Degree-seeking students will meet the computer technology skill requirement through completion of ENC 1101, CGS 1100, or another designated course among the technical credits for the specific degree program. See the course descriptions section of this catalog for the courses designated as part of the Technology-Across-the-Curriculum program.

• Writing-Across-the-Curriculum

All associate degree students must complete at least one three-credit writing class as part of their general education program. Additional writing activities are required in all general education humanities courses. Bachelor of Applied Science, Bachelor of Science and Associate of Arts students must complete twelve (12) to fifteen (15) college credits from designated general education Gordon Rule communication, humanities and social science subject areas. See pages 80 and 81 for specific courses.

• Oral Communication Speaking-Across-the-Curriculum

Oral communication is an integral part of the Northwest Florida State College general education program, thus several general education courses include graded activities designed to build speaking and communication skills. All B.A.S., B.S., A.A., A.S., and A.A.S. Degree-seekers must satisfy an oral communication requirement and may do so by completing at least one of the general education courses designated as part of the Speaking-Across-the-Curriculum component of the General Education Program. Students who successfully complete other speech, forensics, or oral interpretation courses may request that such courses be used to satisfy this requirement. See pages 80 and 81 for specific courses.

• Minimum Grades in General Education Courses

Florida's "Gordon Rule" includes a legislative mandate that all baccalaureate and associate of arts graduates successfully complete specific math and writing requirements. B.A.S. and A.A. graduates must have successfully completed at least twelve (12) to fifteen (15) college credits from designated general education Gordon Rule communication, humanities and social science subject areas and at least six credits of mathematics at the college algebra or higher level. Accordingly, all B.A.S., B.S., A.A. and A.S. degree-seekers must earn a grade of "C" or higher in each Gordon Rule communications, humanities or social science course used to satisfy general education requirements, whether the credits are earned at NWFSO or elsewhere; and all B.A.S., B.S., A.A. and A.S. degree-seekers must earn a grade of "C" or higher in each mathematics course used to satisfy general education requirements, whether the credits are earned at Northwest Florida State College or elsewhere.

A.A. DEGREE GENERAL EDUCATION REQUIREMENTS

Associate of Arts students must complete sixty (60) college credits to complete the degree. Thirty-six (36) of these credits must be general education credits distributed across five subject area categories. A student must satisfy the minimum number of credits in each category. No more than one credit (1) may be selected from the list of General Education Electives (category G). The remaining twenty-four (24) elective credits should be selected in consultation with an advisor, who will assist the student in selecting college credits most advantageous to the student's educational goals.

COURSES MEETING GENERAL EDUCATION REQUIREMENTS

Numbers in parentheses represent the minimum and maximum credit hours in each category allowable toward the total 36 general education credits. If the maximum is taken in one category, the lower number becomes the maximum allowable in the other disciplines. See Section "G" for one-credit electives.

A. Communications Skills 6*

ENC 1101	△	English Composition I	..... 3
ENC 1102		English Composition II	..... 3

B. Mathematics 6-7

Select two general education Gordon Rule mathematics courses from the list below.**

MAC 1105		College Algebra	..... 3
MAC 1140		Pre-Calculus Algebra	..... 3
MAC 1114		Trigonometry	..... 3
MAC 1147		Precalculus Algebra/Trig	..... 4
MAC 2311		Calculus I	..... 4
MAC 2312		Calculus II	..... 4
MAC 2313		Calculus III	..... 4
MAC 2233		Calculus for Business	..... 3
MAP 2302		Differential Equations	..... 3
MAS 2103		Linear Algebra	..... 3
MGF 1106		Math for Liberal Arts I	..... 3
MGF 1107		Math for Liberal Arts II	..... 3
MTG 2206		College Geometry	..... 3
STA 2023		Statistics	..... 3
OR			
STA 2122		Statistical Applications	..... 4

* Communications courses listed on this page and under General Education Electives meet the writing assignment as required by FAC Rule 6A-10.030. Credits earned in these courses in the Fall term of 1982 or later at the College or by transfer shall be based on a minimum grade of "C."

** Mathematics courses listed on this page meet the mathematics requirements for FAC Rule 6A-10.030. Credits earned in the Fall term of 1982 or later at Northwest Florida State College or by transfer that are applicable toward A.A. general education require a minimum grade of "C."

*** Humanities courses listed on this page and under General Education Electives meet the writing assignment as required by FAC Rule 6A-10.030. Credits earned in these courses in the Fall term of 1982 or later at the College or by transfer shall be based on a minimum grade of "C."

**** Social Science courses listed on the following page meet the writing assignment as required by FAC Rule 6A-10.030. Credits earned in these courses in the Fall term of 2002 or later at the College or by transfer shall be based on a minimum grade of "C."

***** Only 1 credit of the total credits for this course may apply toward A.A. Degree general education; the remaining credits may be counted toward the twenty-four credit electives required for the A.A. degree.

† Courses listed with this symbol contain an oral communication component and may be used to satisfy the Speaking-Across-the-Curriculum requirement.

❖ This college credit course qualifies as having an international and/or diversity focus for Teacher Education Programs common prerequisites.

△ Technology-Across-the Curriculum Course

C. Humanities 6

Select two general education Gordon Rule humanities courses*** following either Plan A, B, or C:

A. Choose one course from Area I, and one course from Area II, OR

B. Choose two courses from Area II, and a SPC course from Category G to meet Speaking-Across-The-Curriculum (SATC) requirement.

C. Choose two courses from Area I.

I. Speaking-Across-The-Curriculum (SATC) Humanities

ARH 2050	† ❖	Art History: Pre-Renaissance	..... 3
ARH 2051	† ❖	Art History: Renaissance - 18th Century Neo-Classicism	..... 3
ARH 2060	† ❖	Architecture History	..... 3
ARH 2402	†	Art History: Modern Art	..... 3
HUM 1020	†	Humanities - Introduction	..... 3
HUM 2250	† ❖	Humanities - A Contemporary Perspective	.. 3
MUH 1001	†	Humanities - Music	..... 3
PHI 2600	† ❖	Introduction to Ethics	..... 3
THE 2071	†	Humanities - Cinema Appreciation	..... 3
THE 2100	†	Introduction to Theatre History	..... 3
THE 2300	†	Dramatic Literature	..... 3

II. General Humanities

AML 2010		Survey of American Literature	..... 3
AML 2020		Survey of American Literature II	..... 3
ARH 1000		Humanities Art	..... 3
ENL 2012A		English Literature I	..... 3
ENL 2022		English Literature II	..... 3
HUM 2700	❖	Humanities - Foreign Study	..... 3
LIT 2090	❖	Contemporary Literature	..... 3
LIT 2100	❖	World Literature I	..... 3
LIT 2120	❖	World Literature II	..... 3
PHI 2010	❖	Introduction to Philosophy	..... 3
REL 2300	❖	Introduction to World Religions	..... 3

D. Natural Sciences11-12

Science course from each of the three areas below:

I. Biological Science: (Choose One)

BOT 1010C	Botany	4
BSC 1005Δ	Biology	4
BSC 1010CΔ	Principles of Biology I	4
BSC 1011C	Principles of Biology II	4
BSC 1085CΔ	Anatomy & Physiology I	4
BSC 1086C	Anatomy & Physiology II	4
PCB 2011C	Cell Biology	4
ZOO 1010C	Zoology	4

II. Physical Science: (Choose One)

AST 1002	Astronomy	4
CHM 1025	Chemical Science	4
CHM 1032C	General Chemistry for Life Sciences	4
CHM 1045C	College Chemistry I.....	4
CHM 1046C	College Chemistry II	4
ESC 1000	Earth Science	4
EVS 1001C	Environmental Sciences.....	4
GLY 2010C	Physical Geology	4
GLY 2100C	Historical Geology	4
ISC 1003	Natural Disasters - Causes, Consequences, Human Response	4
MET 1010	Introduction to Meteorology	4
OCE 1001C	Introduction to Oceanography	4
PHY 1020	Physical Science	4
PHY 1053C	Physics I	4
PHY 1054C	Physics II	4
PHY 2048C	College Physics I	4
PHY 2049C	College Physics II	4

III. Choose one additional science course from either Area I or Area II above OR (Choose One)

BSC 2020C	Human Structure and Function	4
GLY 2601C	Intro to Paleontology	4
HLP 1081	Wellness: Practice/Theory	3
_____	or, any Biological or Physical Science Course from Area I or Area II above.....	4

E. Social Sciences/History/Government 3

Select one general education Gordon Rule social science course**** from the list below:

AMH 2010	American History I	3
AMH 2020	American History II	3
AMH 1041	American Civilization.....	3
POS 1041	American Government.....	3
POT 1002	History/Ideas of Political Science.....	3
SYG 2010❖	Social Problems.....	3
WOH 1012❖	World Civilization I.....	3
WOH 1022❖	World Civilization II	3
WOH 2040❖	Twentieth Century.....	3

F. Social Science/Behavioral Science 3

Select one general education social science course from the list below OR a second general education social science course from Category E:

ANT 2000❖	Introduction to Anthropology.....	3
ANT 2100❖	Introduction to Archaeology.....	3
ECO 2013	Economics I.....	3
GEA 1000❖	World Regional Geography.....	3
PSY 2012	Psychology	3
SYG 2000❖	Sociology.....	3

G. General Education Electives

Maximum of 1 credit in the total 36 required for the A.A. Degree

ART 1905 / MUS 1905 / THE 1905 / HUM 1905***	.....	1
BSC 1005L	Biology Lab	1
BSC 1250C	Tropical Biology	1 of 4****
DEP 2004	Human Growth & Development.....	1 of 3****
CHM 1025L	Chemical Science Lab	1
CHM 1045L	College Chemistry Lab I.....	1
CHM 1046L	College Chemistry Lab II.....	1
ESC 1000L	Earth Science Lab	1
ENG 1001	Research Papers.....	1*
HUM 2920	Humanities/Colloquium.....	1
GEO 1200C	Physical Geography	1 of 4****
HUN 2201Δ	Nutrition	1 of 3****
ISS 1905	Independent Study/Soc. Sciences	1
LIS 1001	Library Skills	1
LIS 2004Δ	Internet Research.....	1
LIT 2603	Literature of War/20th Century.....	1 of 3****
PHY 1020L	Physical Science Lab.....	1
PHY 2105	Modern Physics.....	1 of 3****
REL 2163❖	Science, Religion and Nature.....	1 of 3****
SPC 1006 †	Essentials of Speech.....	1
SPC 1600 †	Speech	1 of 3****
SPC 2300 †	Interpersonal Communications	1 of 3****
SLS 1501	Effective Study.....	1

A.A. Degree Checklist – Let’s Review:

- Have you completed a minimum of 60 credit hours in the following areas?
- 36 Hours of General Education
- 6 hours in Communications – Gordon Rule (minimum grade of “C”)
- 6 hours in Humanities – Gordon Rule (minimum grade of “C”)
- 3 hours in Social Science/History/Government – Gordon Rule (minimum grade of “C”)
- 3 hours in Social Science/Behavior Science
- 6 hours in Mathematics – Gordon Rule (minimum grade of “C”)
- 11-12 hours in Natural Science
- 1 hour in General Education Elective - If areas A thru F do not equal 36
- 24 hours of College Credit A.A. Transferable Electives
- Have you completed at least 15 of the 60 credits at Northwest Florida State College?
- Have you completed the Speaking-Across-the-Curriculum requirement? (Look for courses marked with †)
- Have you completed the Writing-Across-the-Curriculum requirement?
- Have you completed the Technology-Across-the-Curriculum requirement? (Look for courses marked with Δ)
- Have you met the CLAST requirement?
- Have you met the minimum 2.0 GPA requirements for the A.A.?
- Have you Applied for Graduation by the advertised deadline?

STATE OF FLORIDA UNIVERSITY BACCALAUREATE PROGRAMS

State programs are distributed in the following categories to assist students in designing a program of study at Northwest Florida State College.

Program changes, additions or deletions are mandated through the Florida Department of Education. For the most current program listings, contact the Office of Enrollment Services. Information on appropriate prerequisite courses for each program are listed in the Florida Common Prerequisites Manual available in the Student Services offices at all College sites or at www.facts.org.

Agribusiness and Agriculture

- Agricultural Business/Operations
- Agriculture (Food and Resource) Economics
- Agriculture Science
- Agronomy and Crop Science
- Animal Science
- Dairy Science
- Food Science and Technology - 2 Tracks
 - Dietetics/Nutritional Science
 - Food Science and Nutritional Sciences
- Horticulture Science
- Landscape Operations and Management
- Plant Sciences
- Poultry Science
- Soils Science

Architecture and Environmental Design

- Architecture
- Construction/Building Technology - Universities
- Design in Architecture Studies
- Separate:
 - FAMU - Construction Engineering Technology
 - FIU - Construction Management
 - UF - Building Construction

Area and Ethnic Studies

- African-American (Black) Studies
- American Studies (USA)
- Asian Studies
- Jewish Studies
- Latin American Studies
- Russian and East European Studies
- Women's Studies

Business and Management

- Accounting
- Business Administration and Management
- Business Managerial Economics
- Business Marketing Management
- Business, General
- Finance, General
- Financial Services
- Hospitality Administration/Management
- Human Resources Management
- Insurance & Risk Management
- International Business Management
- Management Science
- Mgmt. Info Systems/Business Data Processing
- Real Estate
- Transportation Management

Computer and Info Sci. and Computer Engineering

- Computer and Information Science - 2 Tracks
 - Computer & Information Sciences
 - Computer Science
- Computer Engineering - 2 Tracks
 - Computer and Information Engineering
 - Computer Engineering
- Information Sciences and Systems

Criminal Justice

- Criminal Justice Studies

Education

- Agricultural Teacher Education (Vocational)
- Art Teacher Education
- Business Teacher Education (Vocational)
- Education of the Emotionally Handicapped
- Education of the Mentally Handicapped
- Education of Blind and Visually Handicapped
- Education of Specific Learning Disabilities
- Elementary Teacher Education
- English Teacher Education
- Foreign Languages Teacher Education
- Health Teacher Education
- Home Economics Teacher Education (Vocational)
- Junior High/Middle School Teacher Education
 - Mathematics Teacher Education
 - Science Teacher Education
- Mathematics Teacher Education - Middle
- Mathematics Teacher Education - Secondary
- Music Teacher Education
- Physical Education Teaching & Coaching
- Pre-Elementary/Early Childhood Teacher Education
- Science Teacher Education - 5 Tracks
 - Secondary Science/Math Teaching
 - Secondary Teacher Education
 - Biology Teacher Education
 - Chemistry Teacher Education
 - Earth/Space Teacher Education
 - Mathematics Teacher Education
 - Physics Teacher Education
 - Social Studies Teacher Education
 - Special Education, General
 - Trade and Industrial Teacher Education (Vocational)
- Occupational Services Training
- Technical Education
- Vocational Industrial Education

• State of Florida University Baccalaureate Programs: Engineering (continued)

Engineering

- Aerospace Engineering
- Agricultural Engineering
 - Biological Systems Management and Environmental Systems Management
 - Production Management/Manufacturing Processes
- Chemical Engineering
- Civil Engineering
- Civil Technology
- Coastal and Ocean Engineering
- Design Engineering Technology
- Electrical, Electronics Engineering
- Electronic Engineering Technology
- Engineering, General
- Engineering Technology
- Environmental Health Engineering
- Industrial and Systems Engineering
- Industrial/Manufacturing Engineering
- Industrial/Manufacturing Technology
- Materials Engineering
- Mechanical Engineering
- Nuclear Engineering
- Surveying

Foreign Languages

- Classics and Classical Language
- East Asian Language/Literature
- Foreign Language, Multiple
- French
- German
- Greek, Classical
- Italian
- Latin
- Linguistics
- Portuguese
- Russian
- Spanish

Health Professions & Related Science

- Dietetics/Nutritional Services
- Health Services Administration
- Health Information Management
- Medical Technology
- Nursing (Generic)
- Occupational Therapy
- Pharmacy
- Physical Therapy
- Respiratory Therapy
- Speech Pathology and Audiology
- Vocational Rehab Counseling

Law

- Legal Assisting

Letters

- English, General
- English, Literature

Liberal/General Studies

- Humanities
- Independent Studies
- Liberal Arts and Sciences
- New College

Life Sciences & Environmental Studies

- Biochemistry
- Biology, General
- Botany, General
- Ecology (Limnology)
- Entomology
- Environmental Science - 2 Tracks
 - B.S. Program
 - B.A. Program
- Marine/Aquatic Biology
- Microbiology/Bacteriology
- Plant Pathology
- Zoology

Mass Communication and Rhetoric

- Advertising
- Communication (Mass)
- Journalism

Magazine Production

- Public Relations and Organizational Communication
- Radio and TV Broadcasting
- Rhetorical Speech and Communication

Mathematics and Statistics

- Applied Math/Math Sciences
- Mathematics, General
- Statistics

• State of Florida University Baccalaureate Programs: Parks & Recreation (continued)

One-Institution Programs

- Biological and Physical Sciences
 - Biological and Physical Sciences
 - Biology and Chemistry
 - Biology and Computer Science
 - Biology and Earth Science
 - Biology and Mathematics
 - Biology and Physics
 - Chemistry and Computer Science
 - Chemistry and Earth Science
 - Chemistry and Mathematics
 - Chemistry and Physics
 - Computer Science and Earth Science
 - Computer Science and Mathematics
 - Computer Science and Physics
 - Earth Science and Mathematics
 - Earth Science and Physics
 - Mathematics and Physics
- Environmental Management
 - Economics and Policy Specialization
 - Human Resources Development
 - Waste Management and Utilization and Land Water Management
- Forest Resources and Conservation
 - Forest Resources and Conservation
 - Wildlife Ecology and Conservation
- Gerontology
- Health Science - 4 Tracks
 - Addictions Studies
 - Community Health
 - Health Administration
 - Nutrition and Dietetics
- Home Economics, General
- Home and Family Life - 2 Tracks
 - Home and Family Life - Family & Child Science
 - Home and Family Life - Housing
- Independent/Interdisciplinary Studies
- Interdisciplinary Natural Sciences
- Landscape Architecture
- Music Therapy
- Physician Assistant
- Radiologic (Medical) Technology
- Rehabilitative Services
- Textiles and Clothing - 3 Tracks
 - Apparel Design Technology
 - Merchandising
 - Textiles

Parks & Recreation

- Exercise Science/Wellness
- Parks and Recreation Management - 5 Tracks
 - Leisure Services Management
 - Leisure Services - Professional
 - Natural Resources
 - Recreation Program Delivery
 - Therapeutic Recreation

Philosophy and Religion

- Philosophy
- Philosophy and Religion
- Religious Studies

Physical Sciences

- Atmospheric Science and Meteorology
- Astronomy
- Chemistry
- Chemical Sciences
- Clinical Chemistry
- Geology
- Physics
- Forensic Science
- Radiation Physics

Psychology

- Psychology, General
- Social Psychology

Public Administration and Social Work

- Public Administration
- Social Work, General

Social Sciences

- Anthropology
- Economics - 2 Tracks
 - Economics - Business
 - Economics - Social Sciences
- Geography
- History
- International Relations
- Political Science and Government
- Social Sciences, General
- Sociology

Visual and Performing Arts

- Art, General
- Art History and Appreciation
- Dance - 2 Tracks
 - B.A. Track
 - B.F.A. Track
- Dramatic Arts
- Graphics Arts Technology
- Photography
- Printing Production
- Graphic Design
- Interior Design
 - FIU
 - FSU
 - UF
- Jazz Studies
- Motion Picture, TV, Recording Arts
- Motion Picture and TV Technology
- Music, General
- Music Composition
- Music History and Appreciation
- Music Performance
- Music/Music Theory
- Studio/Fine Art

COMMON A.A. TO STATE UNIVERSITY SYSTEM (SUS) TRANSFER PROGRAMS

Through the Associate of Arts (A.A.) degree, Northwest Florida State College offers preparation for the nearly 200 Florida State University System (SUS) majors listed on pages 82-84, and an individual A.A. transfer program plan can be written for you for each of these majors. The following pre-majors represent some of the most common transfer programs for NWF State College students receiving an A.A. degree or those that are readily available in our district area: Athletic Training, Business, Computer Science, Elementary Education, Engineering, Golf and Sports Turf Management, Horticultural Science, Health Sciences, Hospitality, Natural Resource Conservation, and Pharmacy. In addition, the college has a Pre-Architecture articulation agreement with the Florida A & M University (FAMU) School of Architecture. To assist students, the common prerequisites for these programs have been provided.

It is highly recommended that, in addition to following the common prerequisites listed for each program, students should consult the current catalog from the upper-division university

they plan on attending. Some SUS programs have restricted access or are considered a limited access program. Students are responsible for completing the specific requirements of the institution to which they will transfer, as completion of the common prerequisites does not guarantee admission to an upper-division program. In general, restricted access means there are admission requirements in addition to the A.A. degree, and, if those requirements are met, the student will qualify for admission to the program. The additional requirements might include the completion of certain courses, a separate application, an early application date, a minimum grade point average, minimum test scores, auditions and/or portfolios. It is the student's responsibility to learn if a particular major is designated limited access or restricted access at the specific upper-division university to which the student wants to transfer.

NOTE: Consulting with a Northwest Florida State College Advisor in the development of your educational plan will minimize problems and greatly enhance the transfer process.

Associate of Arts Degree with a Pre-Major in ATHLETIC TRAINING (MIN. 60 CC)

Program Goal: To enable students to earn an Associate of Arts degree that could qualify them for entrance to the upper-division college or university bachelor of science in Athletic Training.

Please consult the Course Description section of the catalog for description and prerequisites of all courses taken to satisfy the requirements of this program; and the Graduation Requirements section of this catalog for additional graduation requirements.

GENERAL EDUCATION

Undesignated GE courses are to be selected from the General Education Requirements listed on pages 80-81 for the A.A. degree.

ENC 1101, ENC 1102.....	6
GE/Humanities*	6
MAC 1114, STA 2023.....	6
GE/History.....	3
BSC 1010C, PHY 1053C, CHM 1045C.....	12
PSY 2012	3
TOTAL HOURS	36

* Must select one GE/Humanities course that meets Speaking-Across-the-Curriculum requirement from list on page 80.

** See an advisor for options. SUS programs vary.

PROGRAM ELECTIVES

BSC 1085C.....	4
BSC 1086C.....	4
HUN 2201.....	3
A.A. Electives**.....	13
TOTAL HOURS*	60

Associate of Arts Degree with a Pre-Major in BUSINESS (MIN. 60 CC) (Accounting, Finance, Management, Marketing)

Program Goal: To enable students to earn an Associate of Arts degree that could qualify them for entrance to the upper-division university program in Accounting, Finance, Management, Hospitality Management, Real Estate, Marketing, Business Economics and Management Information Systems.

Please consult the Course Description section of the catalog for description and prerequisites of all courses taken to satisfy the requirements of this program; and the Graduation Requirements section of this catalog for additional graduation requirements.

GENERAL EDUCATION

Undesignated GE courses are to be selected from the General Education Requirements listed on pages 80-81 for the A.A. degree.

ENC 1101, ENC 1102.....	6
GE/Humanities*	6
MAC 1105, STA 2023, MAC 2233.....	9
GE/History.....	3
BSC 1005, ESC 1000, HLP 1081	11
ECO 2013	3
TOTAL HOURS	38

* Must select one GE/Humanities course that meets Speaking-Across-the-Curriculum requirement from list on page 80.

** Select one Gordon Rule Social Science course from Category E on page 81.

PROGRAM ELECTIVES

ACG 2001.....	3
ACG 2011.....	3
ACG 2071.....	3
ECO 2023.....	3
CGS 1100.....	3
A.A. Electives**.....	7
TOTAL HOURS	60

ASSOCIATE OF ARTS
(A.A.) DEGREE

**Associate of Arts Degree with a Pre-Major in
COMPUTER SCIENCE (MIN. 60 CC)**

Program Goal: To enable students to earn an Associate of Arts degree that could qualify them for entrance to the upper-division university program in Computer Sciences.

Please consult the Course Description section of the catalog for description and prerequisites of all courses taken to satisfy the requirements of this program; and the Graduation Requirements section of this catalog for additional graduation requirements.

GENERAL EDUCATION

Undesignated GE courses are to be selected from the General Education Requirements listed on pages 80-81 for the A.A. degree.

ENC 1101, ENC 1102	6
GE/Humanities *	6
MAC 2311, MAC 2312	8
GE/Social Science	6
BSC 1010C, PHY 2048C, PHY 2049C	12

TOTAL HOURS..... 38

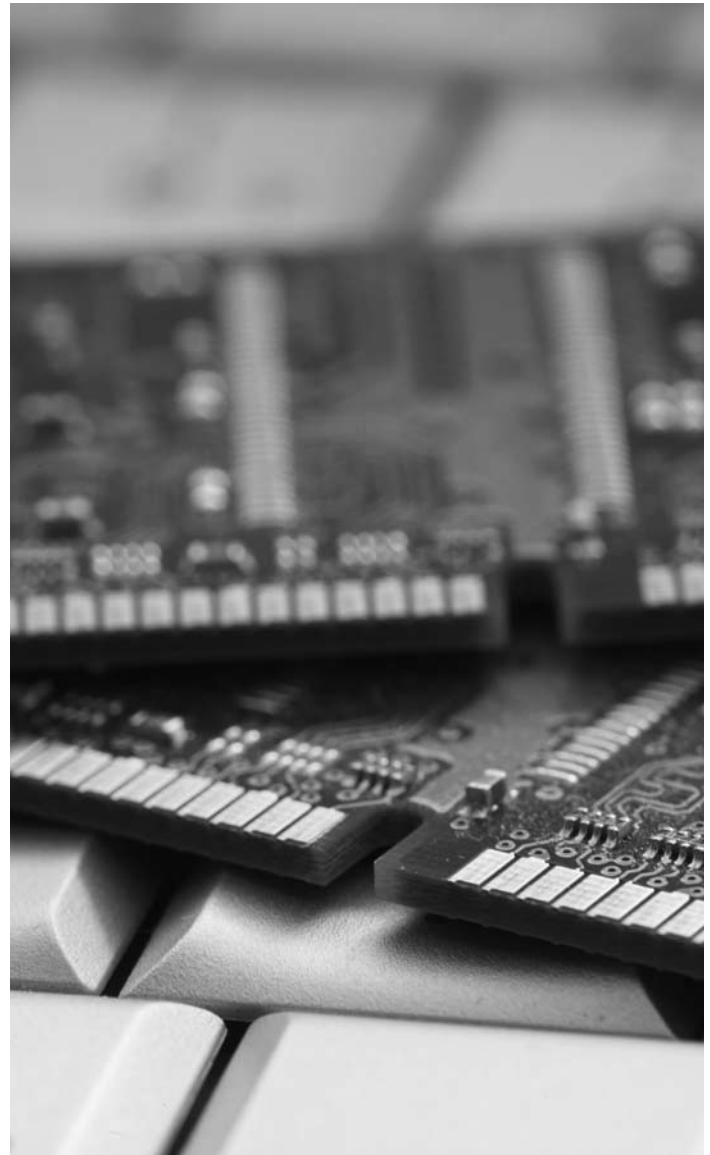
* Must select one GE/Humanities course that meets Speaking-Across-the-Curriculum requirement from list on page 80.

PROGRAM ELECTIVES

COP 1006	3
Science for Science Majors (Biological or Physical)	4
COP XXXX	
Introductory Programming Course	3
A.A. Electives**	9

TOTAL HOURS..... 60

** See an advisor for options. SUS programs vary.



**Associate of Arts Degree with a Pre-Major in
ENGINEERING (MIN. 60 CC)**

Program Goal: To enable students to earn an Associate of Arts degree that could qualify them for entrance to the upper-division university program in Engineering at the Junior level.

Please consult the Course Description section of the catalog for description and prerequisites of all courses taken to satisfy the requirements of this program; and the Graduation Requirements section of this catalog for additional graduation requirements.

GENERAL EDUCATION

Undesignated GE courses are to be selected from the General Education Requirements listed on pages 80-81 for the A.A. degree.

ENC 1101, ENC 1102	6
GE/Humanities *	6
MAC 2311, MAC 2312	8
GE/Social Science	9
CHM 1045C, PHY 2048C	8
GE/Biology	4

TOTAL HOURS..... 41

* Must select one GE/Humanities course that meets Speaking-Across-the-Curriculum requirement from list on page 80.

PROGRAM ELECTIVES

MAC 1114	3
ENC 2210	3
MAC 2313	4
MAP 2302	3
PHY 2049C	4
Additional courses in Humanities or Social Science**	3

TOTAL HOURS..... 61

* See an advisor for options. SUS programs vary.

**Associate of Arts Degree with a Pre-Major in
GOLF & SPORTS TURF MANAGEMENT at
UF/MILTON CAMPUS (MIN. 60 CC)**

Program Goal: To enable students to earn an Associate of Arts degree that could qualify them for entrance to the University of Florida bachelor of science in Golf and Sports Turf Management at the Milton Campus.

Please consult the Course Description section of the catalog for description and prerequisites of all courses taken to satisfy the requirements of this program; and the Graduation Requirements section of this catalog for additional graduation requirements.

GENERAL EDUCATION

Undesignated GE courses are to be selected from the General Education Requirements listed on pages 80-81 for the A.A. degree.

ENC 1101, ENC 1102	6
GE/Humanities*	6
MAC 1105, MAC 1140.....	6
GE/History.....	3
ECO 2013	3
BSC 1010C, CHM 1045C	8
BOT 1010C or ZOO 1010C.....	4

TOTAL HOURS.....36

* Must select one GE/Humanities course that meets Speaking-Across-the-Curriculum requirement from list on page 80.

PROGRAM ELECTIVES

ENC 2210.....	3
MAC 1114	3
SPC 1600.....	3
PHY 1020.....	4
ECO 2023	3
PSY 2012 or SYG 2000.....	3
CGS 1100.....	3
A.A. Electives.....	2

TOTAL HOURS.....60

**Associate of Arts Degree with a Pre-Major in
ENVIRONMENTAL HORTICULTURAL
SCIENCES at UF/MILTON CAMPUS
(MIN. 60 CC)**

Program Goal: To enable students to earn an Associate of Arts degree that could qualify them for entrance to the University of Florida Bachelor of Science in Environmental Horticulture at the Milton Campus.

Please consult the Course Description section of the catalog for description and prerequisites of all courses taken to satisfy the requirements of this program; and the Graduation Requirements section of this catalog for additional graduation requirements.

GENERAL EDUCATION

Undesignated GE courses are to be selected from the General Education Requirements listed on pages 80-81 for the A.A. degree.

ENC 1101, ENC 1102	6
GE/Humanities*	6
MAC 1105, MAC 1140.....	6
GE/History	3
ECO 2013.....	3
BSC 1010C, BSC 1011C, CHM 1045C.....	12

TOTAL HOURS.....36

* Must select one GE/Humanities course that meets Speaking-Across-the-Curriculum requirement from list on page 80.

PROGRAM ELECTIVES

ENC 2210	3
MAC 1114	3
SPC 1600	3
ECO 2023	3
PHY 1020 or PHY 1053C.....	4
A.A. Electives.....	8

TOTAL HOURS 60

**Associate of Arts Degree with a Pre-Major in
HEALTH SCIENCES AT UWF (MIN. 60 CC)**

Program Goal: This is a two-year program for those holding A.A., A.S. and A.A.S. Degrees from a Florida college who wish to earn a B.S. in a health-related area. This program includes seven areas of specialization; Aging Studies, Health Communication, Health Administration, Health Care Ethics, Medical Information Technology, Psychology of Health, and Allied Health. The specialization in Allied Health is being developed on the UWF Emerald Coast Campus at Fort Walton Beach in partnership with Northwest Florida State College. All courses in the UWF Allied Track are either offered as face-to-face classes at FWB or on-line.

GENERAL EDUCATION

Undesignated GE courses are to be selected from the General Education Requirements listed on pages 80-81 for the A.A. degree.

ENC 1101, ENC 1102	6
GE/Humanities*	6
MAC 1105, STA 2023	6
GE/Social Science/History/Government.....	3
ECO 2013, PSY 2012	6
GE/Natural Sciences.....	3
CHM 1045C.....	4
BSC 1005	4

TOTAL HOURS.....38

* Must select one GE/Humanities course that meets Speaking-Across-the-Curriculum requirement from list on page 80.

PROGRAM ELECTIVES

ACG 2001	3
ACG 2011	3
ACG 2071	3
CGS 1100	3
ECO 2023	3
BSC 1005L.....	1
A.A. Electives.....	6

TOTAL HOURS..... 60

**ASSOCIATE OF ARTS
(A.A.) DEGREE**

Associate of Arts Degree with a Pre-Major in

HOSPITALITY, RECREATION, & RESORT MANAGEMENT AT UWF (MIN. 60 CC)

Program Goal: To enable students to earn an Associate of Arts degree that could qualify them for entrance to the University of West Florida bachelor of science in Hospitality, Recreation & Resort Management.

Please consult the Course Description section of the catalog for description and prerequisites of all courses taken to satisfy the requirements of this program; and the Graduation Requirements section of this catalog for additional graduation requirements.

GENERAL EDUCATION

Undesignated GE courses are to be selected from the General Education Requirements listed on pages 80-81 for the A.A. degree.

ENC 1101, ENC 1102	6
GE/Humanities *	6
MAC 1105, STA 2023	6
GE/History	3
ECO 2013	3
GE/Natural Sciences	11
General Education Elective.....	1
TOTAL HOURS.....	36

* Must select one GE/Humanities course that meets Speaking-Across-the-Curriculum requirement from list on page 80.

PROGRAM ELECTIVES

A.A. Electives	24
TOTAL HOURS.....	60

Associate of Arts Degree with a Pre-Major in

NATURAL RESOURCE CONSERVATION at UF/MILTON CAMPUS (MIN. 60 CC)

Program Goal: To enable students to earn an Associate of Arts degree that could qualify them for entrance to the University of Florida bachelor of science in Natural Resource Conservation Milton Campus.

Please consult the Course Description section of the catalog for description and prerequisites of all courses taken to satisfy the requirements of this program; and the Graduation Requirements section of this catalog for additional graduation requirements.

GENERAL EDUCATION

Undesignated GE courses are to be selected from the General Education Requirements listed on pages 80-81 for the A.A. degree.

ENC 1101, ENC 1102	6
GE/Humanities	6
MAC 1105, STA 2023	6
GE/History	3
PSY 2012 or SYG 2000.....	3
BSC 1010C, BSC 1011C, CHM 1045C	12
TOTAL HOURS.....	36

* Must select one GE/Humanities course that meets Speaking-Across-the-Curriculum requirement from list on page 80.

PROGRAM ELECTIVES

CGS 1100	3
MAC 2233	3
SPC 1600	3
ECO 2023	3
PHY 1020.....	4
ENC 2210.....	3
A.A. Electives.....	5
TOTAL HOURS.....	60

Associate of Arts Degree with a Pre-Major in

PHARMACY (MIN. 60 CC)

Program Goal: To enable students to earn an Associate of Arts degree that could qualify them for entrance to the upper-division college or university programs in Pre-Pharmacy.

Please consult the Course Description section of the catalog for description and prerequisites of all courses taken to satisfy the requirements of this program; and the Graduation Requirements section of this catalog for additional graduation requirements.

GENERAL EDUCATION

Undesignated GE courses are to be selected from the General Education Requirements listed on pages 80-81 for the A.A. degree.

ENC 1101, ENC 1102	6
GE/Humanities *	6
MAC 1114, MAC 2311, or MAC 2233	7
GE/Social Science	6
BSC 1010C, BSC 1011C, CHM 1045C	12
TOTAL HOURS	37

* Must select one GE/Humanities course that meets Speaking-Across-the-Curriculum requirement from list on page 80.

PROGRAM ELECTIVES

CHM 1046C.....	4
CHM 2210C.....	4
CHM 2211C.....	4
PHY 1053C.....	4
PHY 1054C.....	4
SPC 1600	3
BSC 1085C	4
BSC 1086C	4
TOTAL HOURS	68

**Associate of Arts Degree with a Pre-Major in
PRE-ARCHITECTURE AT FAMU (MIN. 60 CC)**

Program Goal: An articulation agreement between Northwest Florida State College and Florida A & M University (FAMU) School of Architecture. To enable students to earn an Associate of Arts degree that could qualify them for entrance to the upper-division of the Bachelor of Science in Architectural Studies degree program at FAMU.

Please consult the Course Description section of the catalog for description and prerequisites of all courses taken to satisfy the requirements of this program; and the Graduation Requirements section of this catalog for additional graduation requirements.

GENERAL EDUCATION	PROGRAM ELECTIVES
Undesignated GE courses are to be selected from the General Education Requirements listed on pages 80-81 for the A.A. degree.	ARC 1301C .....4
ENC 1101, ENC 1102 .....6	ARC 1302C .....4
LIT 2090, ARH 2060.....6	ARC 1131 .....3
MAC 1114, MAC 2311.....7	ARC 2201 .....3
GEA 1000, SYG 2010 .....6	ARC 2303A .....6
BSC 1005, PHY 1053C, HLP 1081 <u>11</u>	ARC 2304 .....6
TOTAL HOURS 36	ARC 2472 .....4
	ARC 2501 .....3
	ETD 1320C .....3
	TOTAL HOURS 72
* Must select one GE/Humanities course that meets Speaking-Across-the-Curriculum requirement from list on page 80.	

**ASSOCIATE OF ARTS
(A.A.) DEGREE**

ASSOCIATE OF SCIENCE (A.S.) DEGREE AND ASSOCIATE OF APPLIED SCIENCE (A.A.S.) DEGREE



The Associate of Science (A.S.) and Associate of Applied Science (A.A.S.) Degrees are designed to prepare students for employment in a technical or semi-professional capacity. Both the A.S. and A.A.S. Degrees are two-year programs containing a general education component of at least 18 general education courses in five subject area categories and at least 42 college credits in a specific technical or professional skill area. Although neither program is generally intended for transfer, many students elect to pursue upper division studies after completing the A.S. or A.A.S. Degree. To that end, the general education requirements for the A.S. Degree are restricted to transferable credits, which also satisfy Gordon Rule standards and minimum grade requirements for the Florida State University System. General education courses for the A.A.S. Degree are broader and more flexible.

• | A.S. and A.A.S. Degrees

Northwest Florida State College offers twenty-one separate A.S. and A.A.S. programs, several of which contain specialization options.

Associate of Applied Science Degrees

- Architectural Design and Construction Technology
 - Architectural Design/CAD Option
 - Building Construction Option
- Business Administration
 - Accounting Technology Management Option
 - E-Business Option
 - Management Option
 - Marketing Option
- Computer Engineering Technology
 - CISCO Academy Option
 - Microsoft IT Academy (MCSE/MCSA) Option
 - TIA A+ Option
- Criminal Justice Technology
 - Criminal Justice Option
 - Law Enforcement/Corrections Academy Option
- Customer Relationship Management
- Digital Media/Multimedia Technology
- Drafting and Design Technology
 - Mechanical Design/CAD Option
 - Technical Illustration/CAD Option
- Early Childhood Education
- E-Business Technology
- Emergency Administration and Management
 - Fire Science Option
 - Homeland Security Option
 - Criminal Justice Option
 - Emergency Administration Option
- Graphics Technology
 - Commercial Design Option
 - Visual Artist Option
- Health Services Management

- Industrial Management Technology
- Manufacturing Technology
- Music Production Technology
- Networking Administrator
- Office Administration
 - General Office Administration Option
 - Legal Office Administration Option
 - Medical Information Coder/Biller Option
 - Medical Office Administration Option
- Theater and Entertainment Technology
 - Acting Specialization Option
 - Costuming Specialization Option
 - Dance Specialization Option
 - Musical Theater Option
 - Technical Theater Option

Associate of Science Degrees

- Accounting Technology
- Computer Information Administrator
- Computer Programming and Analysis
- Emergency Medical Services
- Nursing (RN)
- Radiography
- Recreation Technology

• | Companion Certificate Programs

Many of the technical certificate programs offered by Northwest Florida State College provide the initial step in meeting selected course requirements for an A.S. or an A.A.S. Degree in a related area. Courses from those certificates are the same as or equivalent to comparable courses in the companion degree program. Likewise, courses used in the degree program may be applied to a certificate in a related area; in many cases, completion of the technical courses in the degree program can automatically qualify the student to receive the companion certificate. A.T.D. Students should work closely with an advisor to plan their studies in order to take advantage of both curricular options.

• **A.S. and A.A.S. Degree Program Requirements**

A.S. degree students must satisfy the following requirements:

1. Complete the A.S. or A.A.S. general education courses as appropriate to the program of study, including Speaking-Across-the-Curriculum and computer literacy requirements. (Note: A.S. Degree seekers must also meet Gordon Rule course and minimum grade requirements.)
2. Complete at least fifteen credits of the technical core courses and technical elective courses specified in the degree program at Northwest Florida State College, unless there is an established articulation agreement.
3. Complete at least fifteen credits at Northwest Florida State College.
4. Maintain minimum GPA standards as specified in the graduation requirements section of this catalog.

5. Satisfy all other program and college graduation requirements.

Note: A.A.S. and A.S. students who intend to transfer to an upper-division program in the Florida system must also satisfy College Level Academic Skills Test (CLAST) requirements.

• **Customizing an A.S. or A.A.S. Degree Program to Meet a Specific Career Goal**

In order to provide a student with the strongest technical background feasible, some technical courses within a given degree program may be adjusted to meet the student's targeted career goal. In these special cases, course substitutions may be approved upon request of the appropriate department chair to the Senior Vice President.



AS AND A.A.S DEGREE GENERAL EDUCATION REQUIREMENTS

All A.S. and A.A.S. Degree programs at Northwest Florida State College require a minimum of eighteen (18) college credits in general education. Unless otherwise specified in the program requirements, students must complete one course from each of the following categories to meet general education requirements. **A.S. degree-seeking students must also meet Gordon Rule course and minimum grade requirements. A.S. and A.A.S. Degree seekers must also satisfy the general education oral communication and computer literacy requirements described on page 79.**

AS AND A.A.S DEGREE GENERAL EDUCATION COURSE REQUIREMENTS

GENERAL EDUCATION CATEGORY	NUMBER OF COLLEGE CREDITS REQUIRED	COURSE SELECTIONS
Communication Skills	3	ENC 1101, ENC 1102, ENC 2210 , LIN 1670 , LIN 1742
Humanities	3	ARH 2050, ARH 2051, ARH 2060, ARH 2402, HUM 1020 HUM 2250, MUH 1001, PHI 2600, THE 2100, THE 2071, THE 2300
Mathematics	3	MAC 1105, MAC 1140, MAC 1114, MAC 1147, MAC 2311, MAC 2312, MAC 2313, MAC 2233, MAP 2302, MAS 2103, MAT 1033A , MGF 1106, MGF 1107, MTB 1321 , MTG 2206, STA 2023, STA2122 MTB 1103 can only be used for the following A.A.S. Degrees: <ul style="list-style-type: none"> • Criminal Justice • Digital Media/Multimedia Technology • Early Childhood Education • Emergency Administration and Management • Graphics Technology • Industrial Management Technology • Music Production Technology • Theater and Entertainment Technology
Science	4	AST 1002, BOT 1010C, BSC 1005, BSC 1010C, BSC 1011C, BSC 2020C, BSC 1085C, BSC 1086C, CHM 1025, CHM 1032C, CHM 1045C, CHM 1046C, ESC 1000, EVS 1001C, GLY 2010C, GLY 2100C, GLY 2601C, ISC 1003, MET 1010, OCE 1001C, PCB 2011C, PHY 1020, PHY 1053C, PHY 1054C, PHY 2048C, PHY 2049C, REL 2163 , ZOO 1010C
Social Science	3	AMH 1041, AMH 2010, AMH 2020, ANT 2000, ANT 2100, ECO 2013, GEA 1000, POS 1041, POT 1002, PSY 2012, SYG 2000, SYG 2010, WOH 1012, WOH 1022, WOH 2040
General Education Electives	2	BSC 1080 , BSC 1250C, CGS 1100, DEP 2004, ENC 2210 , HUN 2201, SLS 1101, SPC 1600, SPC 2300, or any other A.A. General Education Course listed on pages 80 and 81.
Total General Education Credits Required	18	

A.S. & A.A.S. DEGREE PROGRAMS

NOTE: Courses printed in **Bold Italic** type are applicable to A.A.S. programs only and will not meet general education requirements for the A.S. degree.

ASSOCIATE OF SCIENCE (AS) AND ASSOCIATE OF APPLIED SCIENCE (A.A.S) DEGREE PROGRAMS

ACCOUNTING TECHNOLOGY A.S.

Admission Program Objective Code 2370

Students who successfully complete 27 core/technical credits in this degree program may be eligible to receive the college credit certificate in Accounting Applications.

GENERAL EDUCATION

Select one course from each category; see page 92.

Courses	College Credits
ENC 1101 English Composition I.....	3
_____ or higher English course	
_____ Humanities.....	3
MAC 1105 College Algebra.....	3
_____ or higher/comparable math course	
_____ Science.....	4
_____ Social Science.....	3
_____ General Education Electives.....	2

Total General Education Credits Required..... 18

Core Courses	College Credits
CGS 1100 Microcomputer Applications.....	3
MTB 1103 Business Math.....	3
ECO 2013 Economics I.....	3
ACG 2001 Accounting I.....	3
ACG 2011 Accounting II.....	3
ACG 2071 Managerial Accounting.....	3
ACG 2450 Computer Applications in Accounting.....	3
ACO 1806 Payroll Accounting.....	3
GEB 1011 Introduction to Business.....	3
CGS 1570 Computer Applications for Business.....	3
TAX 2000 Federal Income Tax.....	3

Total Core Credits Required..... 33

TECHNICAL ELECTIVES

With the approval of an advisor, select at least 13 credits from the following:

Technical Elective Courses	College Credits
CTS 2101 Introduction to Windows.....	3
ECO 2023 Economics II.....	3
BUL 2241 Business Law I.....	3
BUL 2242 Business Law II.....	3
GEB 2430 Business Ethics.....	3
OST 2335 Business Communications.....	3
MAN 2021 Management.....	3
STA 2023 Statistics.....	3
CDA 2500 Network Technology.....	3
GEB 1940 Internship-Business.....	3
_____ Other Approved College Credits.....	_____

Total Technical Elective Credits Required..... 13

Total Program Credits Required..... 64

ARCHITECTURAL DESIGN AND CONSTRUCTION TECHNOLOGY A.A.S.

Admission Program Objective Code A540

GENERAL EDUCATION

Select one course from each category; see page 92.

Courses	College Credits
LIN 1670 Writing and Grammar.....	3
_____ or higher English course	
_____ Humanities.....	3
MAT 1033A Intermediate Algebra.....	3
_____ or higher math course	
_____ Science.....	4
_____ Social Science.....	3
_____ General Education Electives.....	2

Total General Education Credits Required..... 18

Core Courses	College Credits
ETD 1102 Introduction to Technical Drawing.....	3
ETD 1320C Auto CAD I.....	3
ETD 1340C Auto CAD II.....	3
EGS 1110C Engineering Graphics.....	3
BCN 1230 Building Construction Materials and Processes.....	3
BCN 1272 Blueprint Reading for Commercial Construction.....	3
TAR 2121C Architectural Drafting.....	3
ARC 2303A Design 2.1.....	6

Total Core Credits Required..... 27

ARCHITECTURAL DESIGN/CAD OPTION Admission Program Objective Code A540A

TECHNICAL ELECTIVES

With the approval of an advisor, select 21 credits from the following:

Technical Elective Courses	College Credits
BCN 2231 Building Construction Materials and Processes II.....	3
ARC 2201 Theory of Architecture.....	3
ARC 2304 Design 2.2.....	6
BCN 2721 Construction Management/Planning.....	3
BCT 2770 Construction Estimating.....	3
EGS 1130C Descriptive Geometry.....	3
ETD 2350C Auto CAD III.....	3
ETD 1355C Auto CAD 3D Modeling I.....	3
ETD 2360C Auto CAD 3D Modeling II.....	3
ETD 2395C Architectural Desktop for Architecture I.....	3
ETD 2542 Structural Drafting I.....	3
ETD 2543C Structural Drafting II.....	3
ETD 2377C 3D Studio Max I.....	3
SUR 2100C Surveying I.....	3
SUR 2140C Surveying II.....	3
ARC 1131 Architectural Presentations.....	3
_____ Other Approved College Credits.....	_____

Total Technical Elective Credits Required..... 21

Total Program Credits Required for Architectural Design Option..... 66

(continued next page)

A.S. & A.A.S. DEGREE PROGRAMS

ARCHITECTURAL DESIGN AND CONSTRUCTION TECHNOLOGY A.A.S.
(continued)

BUILDING CONSTRUCTION OPTION
Admission Program Objective Code A540B

TECHNICAL ELECTIVES

With the approval of an advisor, select 21 credits from the following:

Technical Elective Courses	College Credits
BCN 2231 Building Construction Materials and Processes II.....	3
BCN 2721 Construction Management/Planning.....	3
BCN 2560 Mechanical Systems in Construction.....	3
BCN 1520 Electrical Systems in Construction.....	3
BCN 1567 Plumbing and Gas Construction Practices.....	3
BCT 1763 Construction Safety and Health.....	3
BCT 2761 Structural Systems in Construction.....	3
BUL 2241 Business Law I.....	3
ETD 2542 Structural Drafting I.....	3
ETD 2543C Structural Drafting II.....	3
SUR 2100C Surveying I.....	3
SUR 2140C Surveying II.....	3
— — Other Approved College Credits.....	—

Total Technical Elective Credits Required 21

Total Program Credits Required for Building Technology Option 66

BUSINESS ADMINISTRATION A.A.S.

Admission Program Objective Code A380

Students who successfully complete 30 core/technical credits in this degree program may be eligible to receive the college credit certificate in Management and/or the college credit certificate in Marketing.

GENERAL EDUCATION

Select one course from each category; see page 92.

Courses	College Credits
LIN 1670 Writing and Grammar.....	3
— — or higher English course	
— — Humanities.....	3
MAT 1033A Intermediate Algebra.....	3
— — or higher math course	
— — Science.....	4
— — Social Science.....	3
— — General Education Electives.....	2

Total General Education Credits Required..... 18

Core Courses	College Credits
GEB 1011 Introduction to Business.....	3
BUL 2241 Business Law I.....	3
CGS 1100 Microcomputer Applications.....	3
ACG 2001 Accounting I.....	3
ACG 2011 Accounting II.....	3
MAN 2021 Management.....	3
ECO 2013 Economics I.....	3
CGS 1570 Computer Applications for Business.....	3

Total Core Credits Required 24

ACCOUNTING TECHNOLOGY MANAGEMENT OPTION
Admission Program Objective Code A380D

Required Technical Courses	College Credits
ACG 2071 Managerial Accounting.....	3
ACG 2450 Computer Apps. for Accounting.....	3

Total Technical Requirements..... 6

TECHNICAL ELECTIVES

With the approval of an advisor, select 16 credits from the following:

Technical Elective Courses	College Credits
ACO 1806 Payroll Accounting.....	3
TAX 2000 Federal Income Tax.....	3
MTB 1103 Business Math.....	3
MAN 2300 Personnel Management.....	3
CTS 2101 Intro to Windows.....	3
GEB 2430 Business Ethics.....	3
GEB 1940 Internship – Business.....	3

Total Core and Technical Electives Required..... 16

Total Program Credits Required for the Accounting Technology Management Option..... 64

MANAGEMENT OPTION
Admission Program Objective Code A380A

TECHNICAL ELECTIVES

With the approval of an advisor, select 22 credits from the following:

Technical Elective Courses	College Credits
OST 2335 Business Communications.....	3
MNA 2100 Organization Behavior.....	3
MAR 2011 Introduction to Marketing.....	3
ACG 2071 Managerial Accounting.....	3
BUL 2242 Business Law II.....	3
MTB 1103 Business Math.....	3
MAN 2300 Personnel Management.....	3
CTS 2101 Introduction to Windows.....	3
GEB 2430 Business Ethics.....	3
MKA 2021 Professional Selling.....	3
MKA 2041 Retail Management.....	3
GEB 1940 Internship-Business.....	3
— — Other Approved College Credits.....	—

Total Technical Elective Credits Required 22

Total Program Credits Required For Management Option 64

(continued on next page)

BUSINESS ADMINISTRATION
(continued) **A.A.S**

MARKETING OPTION
Admission Program Objective Code A380B

TECHNICAL ELECTIVES
With the approval of an advisor, select 22 credits from the following:

Technical Elective Courses	College Credits
OST 2335 Business Communications.....	3
MKA 2021 Professional Selling.....	3
MKA 2511 Advertising.....	3
ACG 2071 Managerial Accounting.....	3
BUL 2242 Business Law II.....	3
MAR 2011 Introduction to Marketing.....	3
MTB 1103 Business Math.....	3
MAN 2300 Personnel Management.....	3
CTS 2101 Introduction to Windows.....	3
GEB 2430 Business Ethics.....	3
MKA 2041 Retail Management.....	3
GEB 1940 Internship-Business.....	3
___ ___ Other Approved College Credits.....	—

Total Technical Elective Credits Required 22

**Total Program Credits
Required for the Marketing Option..... 64**

E-BUSINESS OPTION
Admission Program Objective Code A380C

Core Credit Courses	College Credits
GEB 1136 Foundations of E-Business.....	3
GEB 2137 E-Business Models and Strategies.....	3
GEB 2138 E-Business Law and Ethics.....	3
CGS 1550 Introduction to the World Wide Web.....	3

Total Core Credits Required For This Option 12

TECHNICAL ELECTIVES
With the approval of an advisor, select 10 credits from the following:

Technical Elective Courses	College Credits
CGS 1843 Intro to E-Commerce.....	3
CGS 2820 Web Authoring with HTML.....	3
MAR 2011 Introduction to Marketing.....	3
MKA 2041 Retail Management.....	3
MKA 2511 Introduction to Advertising.....	3
OST 2335 Business Communication.....	3
GEB 1940 Internship - Business.....	3
CIS 1940 Internship - Computer Science.....	3

Total Core and Technical Electives Required 22

**Total Program Credits
Required for the E-Business Option..... 64**

COMPUTER ENGINEERING TECHNOLOGY **A.A.S.**

Admission Program Objective Code A140

GENERAL EDUCATION
Select one course from each category; see page 92.

Courses	College Credits
LIN 1670 Writing and Grammar.....	3
_____ or higher English course	
_____ Humanities.....	3
MAT 1033A Intermediate Algebra.....	3
_____ or higher math course	
_____ Science.....	4
_____ Social Science.....	3
_____ General Education Electives.....	2

Total General Education Credits Required..... 18

Core Courses	College Credits
CIS 1000 Introduction to Computer Science.....	3
_____ or	
COP 1006 Intro to Programming Concepts	
_____ and Logic.....	3
CDA 2500 Network Technology.....	3
CET 2173C Microcomputer Servicing.....	4
CET 1660 Intro to Network Security.....	3
COP _____ Programming (VBasic, C, etc.).....	3

Total Core Credits Required 16

CISCO ACADEMY OPTION
Admission Program Objective Code A140B

The first four courses listed under the technical requirements comprise the Cisco CCNA curriculum. Successful completion of these twelve credits is designed to prepare the student for CCNA certification. Students who complete these twelve technical requirements for this option may also be eligible to receive the Cisco CCNA college credit certificate. The remaining twenty-two credits in this option will allow the student to complete the A.A.S. Degree program.

TECHNICAL REQUIREMENTS

CCNA	College Credits
CET 1600C Network Fundamentals.....	3
CET 1610C Router Theory.....	3
CET 2615C Advanced Router Theory.....	3
CET 2620C Project Based Routing Design	
_____ and Administration.....	3

Cisco Specialist Certifications	College Credits
CET 2854C Fundamentals of Wireless LANs.....	3
CET 2685C Fundamentals of Network Security.....	3

Total Technical Requirements..... 18
(continued on next page)

A.S. & A.A.S. DEGREE PROGRAMS

**COMPUTER ENGINEERING
TECHNOLOGY
(continued)**

A.A.S.

TECHNICAL ELECTIVES

With the approval of an advisor, select 16 credits from the following:

Technical Elective Courses	College Credits
CET 1630C Network Cabling (Copper Cabling)	3
CET 1632C Fiber Cabling	3
ETG 1941 Internship	3
CDA 2524 Novell Admin I	3
CDA 2529 Novell Admin II	3
CDA 2523 Windows Client Operating System	3
CDA 2525 Windows Server Environment	3
CET 2625 CISCO Network Design	3
— — Other Approved College Credits	—

Total Technical Electives Required..... 16

Total Technical Credits Required 34

Total Program Credits Required for the Cisco Academy Certification Option 68

**MICROSOFT IT ACADEMY (MCSE) OPTION
Admission Program Objective Code A140D**

Successful completion of these twenty-one credits is designed to prepare the student for MCSE certification. The remaining thirteen credits in this option will allow the student to complete the A.A.S. Degree program.

TECHNICAL REQUIREMENTS

Technical Requirements	College Credits
CDA 2523 Windows Client Operating System	3
CDA 2525 Windows Server Environment	3
CET 2497 Windows Network Infrastructure	3
CTS 2302 Windows Active Directory	3
CTS 2310 Designing Security for Windows Network	3
or	
CTS 2300 Designing Active Directory and Network Infrastructure	3
CTS 2320 Planning and Maintaining Windows Network Infrastructure	3
CTS 2811 Administering SQL Server Database	3

Total Technical Requirements..... 21

TECHNICAL ELECTIVES

With the approval of an advisor, select at least 13 credits from the following:

Technical Elective Courses	College Credits
CIS 1940 Internship in Computer Studies	3
CGS 1760 Fundamentals of UNIX	3
CGS 2763 UNIX Administration	3
CDA 2524 Novell Admin I	3
CDA 2529 Novell Admin II	3
CTS 1171 Desktop Support	3
ETG 1941 Internship	3-12
— — Other Approved College Credits	—

Total Technical Electives Required..... 13

Total Technical Credits Required 34

Total Program Credits Required for the Microsoft IT Academy (MCSE) Option..... 68

**COMP TIA A+ CERTIFICATION OPTION
Admission Program Objective Code A140C**

The first two courses listed under the technical requirements comprise the COMP TIA A+ curriculum. Successful completion of these six credits is designed to prepare the student for COMP TIA A+ certification. The remaining twenty-eight credits in this option will allow the student to complete the A.A.S. Degree program.

TECHNICAL REQUIREMENTS

Technical Requirements	College Credits
CET 2171C PC Hardware A+	3
CET 2178C PC Operating System	3

Total Technical Requirements..... 6

TECHNICAL ELECTIVES

With the approval of an advisor, select at least 28 credits from the following:

Technical Elective Courses	College Credits
CET 1630C Network Cabling (Copper Cabling)	3
CET 1632C Fiber Cabling	3
CTS 1171 Desktop Support	3
CDA 2524 Novell Admin I	3
CDA 2529 Novell Admin II	3
CDA 2523 Windows Client Operating System	3
CDA 2525 Windows Server Environment	3
ETG 1941 Internship	3-12
— — Other Approved College Credits	—

Total Technical Electives Required..... 28

Total Technical Credits Required 34

Total Program Credits Required for the Comp TIA A+ Certification Option..... 68

• COMPUTER INFORMATION ADMINISTRATOR A.S.

Admission Program Objective Code 2040

Students who successfully complete at least 33 credits from this program of study may be eligible to receive the college credit certificate in Computer Programming.

GENERAL EDUCATION
Select one course from each category; see page 92.

Courses	College Credits
ENC 1101 English Composition I.....	3
_____ or higher English course	
_____ Humanities.....	3
MAC 1105 College Algebra	3
_____ or higher/comparable math course	
_____ Science	4
_____ Social Science	3
_____ General Education Electives.....	2

Total General Education Credits Required..... 18

Core Courses	College Credits
COP 1006 Intro to Programming Concepts	
_____ and Logic.....	3
CGS 1100 Microcomputer Applications.....	3
CDA 2500 Network Technology	3
CGS 1550 Introduction to the World Wide Web	3
CTS 2101 Introduction to Windows	3
CGS 1570 Computer Applications for Business.....	3
COP 2010 Visual Basic.....	3
CET 1660 Intro to Network Security.....	3

Total Core Credits Required 24

TECHNICAL ELECTIVES
With the approval of an advisor, select 21 credits from the following:

Technical Elective Courses	College Credits
CIS 1000 Introduction to Computer Science.....	3
CDA 2525 Windows Server Environment.....	3
CIS 1940 Internship in Computer Studies.....	3-6
_____ (can be completed two times for credit)	
GEB 1940 Internship-Business	3-6
_____ (can be completed two times for credit)	
CTS 1171 Desktop Support	3
_____ Other Approved College Credits	_

Total Technical Electives Required..... 21

Total Program Credits Required..... 63

• COMPUTER PROGRAMMING AND ANALYSIS A.S.

Admission Program Objective Code 2045

Students who successfully complete at least 33 credits from this program of study may be eligible to receive the college credit certificate in Computer Programming.

GENERAL EDUCATION
Select one course from each category; see page 92.

Courses	College Credits
ENC 1101 English Composition I.....	3
_____ or higher English course	
_____ Humanities.....	3
MAC 1105 College Algebra	3
_____ or higher/comparable course	
_____ Science	4
_____ Social Science	3
_____ General Education Electives.....	2

Total General Education Credits Required..... 18

Core Courses	College Credits
COP 1006 Intro to Programming Concepts	
_____ and Logic.....	3
MAC 1140 Pre-Calculus Algebra or	
_____ Higher level mathematics.....	3
CDA 2500 Network Technology	3
CGS 1550 Introduction to the World Wide Web	3
CTS 2101 Introduction to Windows	3
COP 2220 Programming in C	3
COP 2800 Java	3
COP 2224 C++.....	3
COP 2010 Visual Basic.....	3

Total Core Credits Required 27

TECHNICAL ELECTIVES
With the approval of an advisor, select 18 credits from the following:

Technical Elective Courses	College Credits
CET 1660 Intro to Network Security.....	3
CIS 1000 Introduction to Computer Science.....	3
COP 2011 Adv App Programming in Visual Basic	3
CIS 1940 Internship in Computer Studies.....	3-6
_____ (can be completed two times for credit)	
_____ Other Approved College Credits.....	_

Total Technical Electives Required..... 18

Total Program Credits Required..... 63

A.S. & A.A.S. DEGREE PROGRAMS

• CRIMINAL JUSTICE TECHNOLOGY A.A.S.

Admission Program Objective Code A090

GENERAL EDUCATION

Select one course from each category; see page 92.

Courses	College Credits
LIN 1670 Writing and Grammar	3
_____ or higher English course	
_____ Humanities.....	3
MTB 1103 Business Math	3
_____ or higher math course	
_____ Science	4
_____ Social Science	3
_____ General Education Electives.....	2

Total General Education Credits Required..... 18

CRIMINAL JUSTICE OPTION Admission Program Objective Code A090A

CORE COURSES

CCJ 1020 Introduction to Criminal Justice	3
CCJ 1000 Introduction to Criminology	3
CJL 1100 Criminal Law.....	3
CJL 1400 Criminal Procedures	3
CJL 2500 Courts and the Criminal Process	3

Total Technical Credits Required 15

TECHNICAL ELECTIVES

With approval of an advisor, select 31 credits from the following courses:

CCJ 1500 Juvenile Delinquency	3
CCJ 1941 Internship - Criminal Justice.....	3
CJC 2162 Introduction to Probation and Parole.....	3
CJC 2000 Introduction to Corrections.....	3
CJT 2340 Police Operations.....	3
FFP 1801 Introduction to Emergency Management.....	2
FFP 2820 Emergency Preparedness	3
SYG 2010 Social Problems	3
PLA 1005 Legal Terminology	3
PLA 1013 Introduction to Law and the Legal System.....	3
PLA 1800 Introduction to Family Law.....	3
BUL 2241 Business Law I.....	3
_____ Other Approved College Credits.....	—

Total Technical Electives Required..... 31

Total Technical Credits Required 46

**Total Program Credits Required for
the Criminal Justice Option..... 64**

LAW ENFORCEMENT/CORRECTIONS ACADEMY OPTION

Admission Program Objective Code A090B

TECHNICAL ELECTIVES FOR ACADEMY OPTIONS*

With the approval of a Public Safety Advisor, select 31 credits from the following courses:

Technical Elective Courses	College Credits
CCJ 1500 Juvenile Delinquency	3
CCJ 1941 Internship - Criminal Justice.....	3
CJC 2162 Introduction to Probation and Parole.....	3
CJC 2000 Introduction to Corrections.....	3
CJT 2340 Police Operations.....	3
FFP 1801 Introduction to Emergency Management.....	2
FFP 2820 Emergency Preparedness	3
SYG 2010 Social Problems	3
PLA 1005 Legal Terminology	3
PLA 1013 Introduction to Law and the Legal System.....	3
PLA 1800 Introduction to Family Law.....	3
BUL 2241 Business Law I.....	3
_____ Other Approved College Credits.....	—

Total Technical Electives Required..... 31

**Total Program Credits Required for the Law Enforcement/
Corrections Academy Option 64**

* Credit opportunities are available for individuals who have prior training as certified by passing the Florida State Officers Certification Exam (SOCE). Verification must be made by the NWF State College Public Safety Division. More information is available through the NWF State College Public Safety Division.

• CUSTOMER RELATIONSHIP MANAGEMENT

A.A.S.

Admission Program Objective Code A570

Students who successfully complete from 24-30 credits from the technical courses in this program may be eligible to receive the Management and/or Office Management College Credit Certificates.

GENERAL EDUCATION

Select one course from each category; see page 92.

Courses	College Credits
LIN 1670 Writing and Grammar	3
_____ or higher English course	
_____ Humanities.....	3
MAT 1033A Intermediate Algebra	3
_____ or higher math course	
_____ Science	4
_____ Social Science	3
_____ General Education Electives.....	2

Total General Education Credits Required..... 18

Core Courses

Core Courses	College Credits
MNA 1161 Customer Service	3
GEB 1011 Introduction to Business	3
MAR 2011 Introduction to Marketing	3
OST 2335 Business Communications.....	3
MNA 2100 Organizational Behavior	3
GEB 2430 Business Ethics	3
CGS 1100 Microcomputer Applications	3
CGS 1570 Computer Applications for Business.....	3
CGS 1550 Introduction to the World Wide Web	3

Total Core Credits Required 27

(continued on next page)

CUSTOMER RELATIONSHIP MANAGEMENT (continued) A.A.S.

TECHNICAL ELECTIVES

With the help of an advisor, select at least 15 credits from the following:

Technical Elective Courses	College Credits
GEB 1940 Internship-Business.....	3-6 (can be completed two times for credit)
BUL 2241 Business Law I.....	3
MKA 2041 Retail Management.....	3
MAN 2300 Personnel Management.....	3
MAN 2021 Management.....	3
_____ Other Approved College Credits.....	_____

Total Technical Electives Required..... 15

Total Program Credits Required..... 60

DIGITAL MEDIA/MULTIMEDIA TECHNOLOGY A.A.S.

Admission Program Objective Code A580

Students who complete selected courses from the core and technical electives in this program may also be able to receive the college credit certificates in Digital Media/Multimedia Authoring, Digital Media/Multimedia Presentation, and/or Digital Media/Multimedia Production.

GENERAL EDUCATION

Select one course from each category; see page 92.

Courses	College Credits
LIN 1670 Writing and Grammar.....	3 or higher English course
_____ Humanities.....	3
MTB 1103 Business Math.....	3 or higher math course
_____ Science.....	4
_____ Social Science.....	3
_____ General Education Electives.....	2

Total General Education Credits Required..... 18

Courses	College Credits
GRA 1121C Desktop Publishing I.....	3
ART 1600C Computer Art I.....	3
ART 2602C Digital Imaging I.....	4
GRA 2140C Multimedia I.....	4
GRA 2141C Multimedia II.....	4
PGY 1801C Digital Photography I.....	4

Total Core Credits Required..... 22

TECHNICAL ELECTIVES

With the approval of an advisor, select 20-24 credits from the following:

Technical Elective Courses	College Credits
PGY 1220C Commercial Photography I.....	4
ART 2603C Digital Imaging II.....	4
GRA 1162C Intro to 3D Graphics.....	4
GRA 2142C Web Design/Graphics.....	4
GRA 2164C Advanced Graphics Projects.....	4
GRA 2905 Independent Study, Graphics Design.....	1
PGY 2802C Digital Photography II.....	4
_____ Other Approved College Credits.....	_____

Total Technical Electives Required..... 24

Total Program Credits Required..... 64

DRAFTING AND DESIGN TECHNOLOGY A.A.S.

Admission Program Objective Code A050

Students who complete the AutoCAD course series may be eligible to receive the college credit certificate in AutoCAD Foundations.

GENERAL EDUCATION

Select one course from each category; see page 92.

Courses	College Credits
LIN 1670 Writing and Grammar.....	3 or higher English course
_____ Humanities.....	3
MAT 1033A Intermediate Algebra.....	3 or higher math course
_____ Science.....	4
_____ Social Science.....	3
_____ General Education Electives.....	2

Total General Education Credits Required..... 18

Core Courses	College Credits
ETD 1102 Introduction to Technical Drawing.....	3
ETD 1320C Auto CAD I.....	3
ETD 1340C Auto CAD II.....	3
ETD 2350C Auto CAD III.....	3
ETD 1355C Auto CAD 3D Modeling I.....	3
ETD 2360C Auto CAD 3D Modeling II.....	3

Total Core Credits Required..... 18

(continued on next page)

• DRAFTING AND DESIGN TECHNOLOGY (continued) A.A.S.

**MECHANICAL DESIGN/CAD OPTION
Admission Program Objective Code A050B**

TECHNICAL ELECTIVES

With the approval of an advisor, select at least 26 credits from the following:

Technical Elective Courses	College Credits
ETD 1111 Drafting I	6
ETD 1221 Drafting II	6
ETD 2713 Drafting III	6
ETD 1217 Fundamentals of Dimensioning and Tolerancing	4
ETD 2218 Geometric Dimensioning and Tolerancing	4
ETD 2219 Adv. Geometric Dimensioning and Tolerancing	4
ETD 2250 Tolerance Stacks I	4
ETD 2251 Tolerance Stacks II	4
ETD 2357C Inventor I	3
ETD 2358C Inventor II	3
ETD 2364C Solid Works I	3
ETD 2368C Solid Works II	3
ETD 2734 Advanced Mechanical Drafting	3
ETI 1411 Advanced Manufacturing Processes	3
_____ Other Approved College Credits	_____

Total Technical Elective Credits Required 26

**Total Program Credits Required for
Mechanical Design Option 62**

**TECHNICAL ILLUSTRATION/CAD OPTION
Admission Program Objective Code A050C**

MTB 1103 is acceptable for general education math in this option. With the approval of an advisor, select at least 26 credits from the following:

TECHNICAL ELECTIVES

Technical Elective Courses	College Credits
EGS 1110C Engineering Graphics	3
EGS 1130C Descriptive Geometry	3
ETD 1801 Technical Illustrations	3
ETD 2801 Technical Illustrations II	3
ETD 1811C Corel Draw I	3
ETD 1842C Computer Rendering I	3
ETD 2843C Computer Rendering II	3
GRA 1121C Desktop Publishing I	3
GRA 1122C Desktop Publishing II	3
GRA 2100C Computer Graphics I	4
GRA 2156C Computer Graphics II	4
ETD 2357C Inventor I	3
ETD 2358C Inventor II	3
ETD 2364C Solid Works I	3
ETD 2368C Solid Works II	3
ETD 2377C 3D Studio Max I	3
SPC 2300 Interpersonal Communications	3

Total Technical Elective Credits Required 26

**Total Program Credits Required for
Technical Illustration Option 62**

• E-BUSINESS TECHNOLOGY A.A.S.

Admission Program Objective Code A150

Students who complete selected technical courses for this degree may also be able to receive the college credit certificates in E-Business, E-Business Software, and/or E-Business Technology.

GENERAL EDUCATION

Select one course from each category; see page 92.

Courses	College Credits
LIN 1670 Writing and Grammar	3
_____ or higher English course	_____
_____ Humanities	3
MAT 1033A Intermediate Algebra	3
_____ or higher math course	_____
_____ Science	4
_____ Social Science	3
_____ General Education Electives	2

Total General Education Credits Required 18

Core Courses	College Credits
CGS 1843 Intro to E-Commerce	_____
_____ or	_____
GEB 1136 Foundations of E-Business	3
GEB 2137 E-Business Models and Strategies	3
GEB 2138 E-Business Laws and Ethics	3
CGS 1100 Microcomputer Applications	3
CGS 1570 Microcomputer Application for Business	3
GEB 1011 Introduction to Business	3
CGS 2930 E-Commerce Seminar	3
CET 1660 Intro to Network Security	3

Total Core Credits Required 24

TECHNICAL ELECTIVES

With the help of an advisor, select at least 22 credits from the following courses. Students desiring a more technical, computer-oriented background should select courses with the COP, CDA, CGS, or GRA prefix.

Technical Elective Courses	College Credits
CDA 2500 Network Technology	3
ACG 2001 Accounting I	3
ACG 2011 Accounting II	3
MAR 2011 Introduction to Marketing	3
MAN 2021 Management	3
COP 1006 Introduction to Programming Concepts and Logic	3
CGS 2820 Web Authoring with HTML	3
COP 2800 Introduction to JAVA Programming	3
CGS 1172 Web-based Programming I	3
CGS 2541 Database Concepts	3
CGS 2840 E-Commerce Technologies	3
CGS 2844 E-Commerce Security	3
CGS 2173 Web-based Programming II	3
GRA 2142C Web Design/Graphics	4
GRA 2143C Advanced Web Design/Graphics	4
GEB 2430 Business Ethics	3
MKA 2021 Professional Selling	3
MKA 2041 Retail Management	3
MKA 2511 Introduction to Advertising	3
GEB 1940 Internship - Business	3
CIS 1940 Internship - Computer Science	3
_____ Other Approved College Credits	_____

Total Technical Electives Required 22

Total Program Credits Required 64

EARLY CHILDHOOD EDUCATION A.A.S.

Admission Program Objective Code A020

Students who successfully complete 36 core/technical credits in this degree program may be eligible to receive the college credit certificate in Child Development/Early Intervention.

GENERAL EDUCATION

Select one course from each category; see page 92.

Courses	College Credits
LIN 1670 Writing and Grammar	3
_____ or higher English course	
_____ Humanities.....	3
MTB 1103 Business Math	3
_____ or higher math course	
_____ Science	4
_____ Social Science	3
_____ General Education Electives.....	2

Total General Education Credits Required..... 18

Core Courses College Credits

DEP 2100 Child Growth and Development I	3
CHD 1430 Observing and Recording Child Behavior	3
HUN 2410A Child Nutrition and Health.....	3
CHD 2322 Programs for Young Children.....	3
CHD 2432A Curriculum for Young Children I.....	3
CHD 1312 Infant and Toddler	3
CHD 1800 Early Childhood Program Administration.....	3
CHD 1223 Guidance for Young Children.....	3
CHD 1941 Internship-Child Development.....	3
CHD 2332A Curriculum for Young Children II.....	3
CHD 2334A Curriculum for Young Children III.....	3
CHD 2337A Curriculum for Young Children IV	3
CHD 1531 Parenting Education	3

Total Core Credits Required..... 39

TECHNICAL ELECTIVES

With the approval of an advisor, select at least 6 credits from the following:

Technical Elective Courses	College Credits
HSC 1400 First Aid.....	3
CHD 1230 Child Growth and Development II.....	3
FAD 1123 Adults in a Changing Society.....	3
EEX 2010 Introduction to Exceptional Children	3
CHD 2433 Child Development Seminar.....	3
CHD 1941 Internship - Child Development	3-6
(can be completed two times for credit)	
EDF 1005 Introduction to Education.....	3
EDG 2701 Teaching Diverse Populations.....	3
EME 2040 Introduction to Educational Technology	3
SPC 2300 Interpersonal Communications.....	3
_____ Other Approved College Credits.....	—

Total Technical Elective Credits Required 6

Total Program Credits Required..... 63

EMERGENCY ADMINISTRATION AND MANAGEMENT A.A.S.

Admission Program Objective Code A095

GENERAL EDUCATION

Select one course from each category; see page 92.

Courses	College Credits
LIN 1670 Writing and Grammar	3
_____ or higher English course	
_____ Humanities.....	3
MTB 1103 Business Math	3
_____ or higher math course	
_____ Science	4
_____ Social Science	3
_____ General Education Electives.....	2

Total General Education Credits Required..... 18

Core Courses College Credits

FFP 1801 Intro to Emergency Mgmt. Administration	2
DSC 1030 Disaster Communications	1
FFP 2820 Emergency Preparedness	3
FFP 2841 Contingency Planning for the Private Sector	2
FFP 2843 Contingency Planning for the Public Sector.....	2
FFP 2834 Effects of Disaster on Society.....	3
FFP 2823 Technical Applications in Emergency Mgmt.	2

Total Core Credits Required 15

FIRE SCIENCE OPTION* Admission Program Objective Code A095A

TECHNICAL ELECTIVES

Technical Elective Courses College Credits

FFP 1505 Fire Prevention Practices.....	3
FFP 1540 Private Fire Protection Systems I.....	3
FFP 2120 Building Construction for the Fire Service	3
FFP 1810 Fire Fighting Tactics and Strategy I.....	3
FFP 2811 Fire Fighting Tactics and Strategy II	3
FFP 1740 Fire Service Course Delivery.....	3
FFP 2521 Construction Documents and Plans Review	3
_____ College Credit Electives (Fire Science, Criminal Justice, Industrial Safety, Emergency Administration, or Homeland Security courses recommended) 9	

Total Technical Elective Credits Required 27

Total Program Credits Required..... 60

* Credit opportunities are available for individuals who have prior training as certified by passing the Florida State Fire College (FSFC), Florida State Bureau of Emergency Medical Services, Department of Defense Certification (DOD) or International Fire Services Congress Accreditation (IFSC). Verification must be made by the Public Safety Division. More information is available through the Northwest Florida State College Public Safety Division.

EMERGENCY ADMINISTRATION AND MANAGEMENT (continued) A.A.S.

**HOMELAND SECURITY OPTION
Admission Program Objective Code A095B**

Technical Elective Courses	College Credits
DSC 1004 Introduction to the NRP and NIMS.....	3
DSC 1013 Domestic and International Terrorism	3
DSC 1552 Critical Infrastructure Protection	3
DSC 1751 Homeland Security Policy and Law	3
DSC 1222 Psychological Mgmt. of Disaster/Terror Victims.....	3
DSC 1631 Planning Considerations for Terror Prevention ..	3
DSC 1562 Homeland Security Threat Strategy	3
DSC 1561 Homeland Security Threat Strategy	3
DSC 1222 Psychological Management of Disaster Victims	3
_____ College Credit Electives (Fire Science, Criminal Justice, Industrial Safety, Emergency Administration, or Homeland Security courses recommended) 6	6

Total Technical Elective Credits Required27
Total Program Credits Required.....60

**CRIMINAL JUSTICE OPTION
Admission Program Objective Code A095C**

Technical Elective Courses	College Credits
DSC 1552 Critical Infrastructure Protection	3
CCJ 1020 Introduction to Criminal Justice	3
CJL 1400 Criminal Procedures	3
CJL 1100 Criminal Law.....	3
CJD 1702 Criminal Justice Communications.....	3
CJD 1722 Law Enforcement Traffic.....	3
_____ College Credit Electives (Fire Science, Criminal Justice, Industrial Safety, Emergency Administration, or Homeland Security courses recommended) 9	9

Total Technical Elective Credits Required27
Total Program Credits Required.....6

**EMERGENCY ADMINISTRATION OPTION
Admission Program Objective Code A095D**

Technical Elective Courses	College Credits
FFP 1881 Emergency Management Leadership.....	3
FES 1002 Intro to State and County Government	1
DSC 1552 Critical Infrastructure Protection	3
FFP 1202 Basic Search and Rescue	3
FFP 1826 Incident Management.....	2
FFP 1800 Disaster Education for Individuals and the Community	2
DSC 2214 Disaster Response Operations	3
FFP 1890 Emergency Management for the Tourism/Hospitality Industry	2
FFP 1880 Political and Policy Basis of Emergency Response	2
_____ College Credit Electives (Fire Science, Criminal Justice, Industrial Safety, Emergency Administration, or Homeland Security courses recommended) 6	6

Total Technical Elective Credits Required27
Total Program Credits Required.....60

EMERGENCY MEDICAL SERVICES A.S.

Admission Program Objective Code 2095

This curriculum forms the last stage of a career ladder program progression from EMT Certificate* to Paramedic Certificate to EMS degree. Students interested in pursuing this program should contact the Emergency Services/Paramedic program at (850) 729-4924.

GENERAL EDUCATION

Select one course from each category; see page 92, unless otherwise specified below.

ENC 1101 English Composition I.....	3
_____ or higher English course Humanities.....	3
MAC 1105 College Algebra	3
_____ or higher/comparable math course Science*.....	4
_____ Social Science	3
_____ General Education Elective.....	2

Total General Education Credits Required..... 18

* BSC 2020C (from Paramedic Core) may be used to meet GE Science.

EMT Certificate Courses

	College Credits
EMS 1119C Emergency Medical Technician (EMT)	6
EMS 1335 Emergency Vehicle Operator (EVO)	1
EMS 1401L EMT Lab	4

Total EMT Credits Required..... 11

Paramedic Certificate Courses

	College Credits
EMS 1337 Defensive Tactics	1
EMS 2231C Paramedic Processes I.....	5
EMS 2232C Paramedic Processes II.....	5
EMS 2233 Paramedic Processes III.....	2
EMS 2342 Advanced Extrication.....	1
EMS 2435L Paramedic Lab I	5
EMS 2436L Paramedic Lab II.....	5
EMS 2425L Paramedic Externship	4
EMS 2526 Twelve-Lead EKG Interpretation	1
EMS 2553 Pediatric Advanced Life Support (PALS).....	1
EMS 2555 Basic Trauma Life Support (BTLS)	1
EMS 2552 Advanced Cardiac Life Support (ACLS).....	1
DSC 2055 Issues in Disaster Response.....	1
EMS 2438C Advanced Clinical Internship	2
BSC 2020C Human Structure and Function.....	4
HSC 1531 Medical Terminology	3
_____ Other Approved College Credits (CCJ, EMS, FFP preferred)	_

Total Core Credits Required 44

Total Program Credits Required..... 73

Admission Program Objective Code A440

Students who complete selected technical courses for this degree may also be able to receive the college credit certificates in Graphics Design Production and/or Graphics Design Support.

GENERAL EDUCATION

Select one course from each category; see page 92.

Courses	College Credits
LIN 1670 Writing and Grammar	3
_____ or higher English course	
_____ Humanities.....	3
MTB 1103 Business Math	3
_____ or higher math course	
_____ Science	4
_____ Social Science	3
_____ General Education Electives.....	2

Total General Education Credits Required..... 18

COMMERCIAL DESIGN OPTION
Admission Program Objective Code A440A

Core Courses	College Credits
GRA 1121C Desktop Publishing I.....	3
GRA 1162C Intro to 3D Graphics.....	4
ART 1600C Computer Art I.....	3
ART 2602C Digital Imaging I.....	4
PGY 1801C Digital Photography I.....	4

Total Core Credits Required 18

TECHNICAL ELECTIVES

With the approval of an advisor, select 28 credits from the following:

Technical Elective Courses	College Credits
GRA 1122C Desktop Publishing II.....	3
GRA 2156C Computer Graphics II.....	4
GRA 2210C Pre-press Assembly	4
PGY 1220C Commercial Photography I.....	4
ART 2601C Computer Art II.....	3
ART 2603C Digital Imaging II	4
PGY 2802C Digital Photography II.....	4
GRA 2142C Web Design/Graphics.....	4
GRA 2164C Advanced Graphics Projects.....	4
_____ Other Approved College Credits	_

Total Technical Credits Required 28

Total Program Credits Required for the Commercial Design Option 64

VISUAL ARTIST OPTION
Admission Program Objective Code A440C

Core Courses	College Credits
ARH 2050 Art History Pre-Renaissance.....	3
ARH 2051 Art History Renaissance to 18th Century Neo-Classicism	3
ART 1201C Two Dimensional Design.....	3
ART 1203C Three Dimensional Design.....	3
ART 1300C Drawing I.....	3
ART 1301C Drawing II.....	3
ART 2500C Painting I.....	3
HUM 2920 Humanities Colloquium or	
ART 1905 Independent Study in Art	1

Total Core Credits Required 22

TECHNICAL ELECTIVES

With the approval of an advisor, select 24 credits from the following:

Technical Elective Courses	College Credits
ART 1750C Pottery I.....	3
ART 1751C Pottery II.....	3
ART 1701C Sculpture I.....	3
ART 1702C Sculpture II.....	3
ART 2501C Painting II	3
ART 2540C Water Color I.....	3
ART 2541C Water Color II.....	3
ART 2955 Portfolio Development.....	3
_____ Other Approved College Credits	_

Total Technical Credits Required 24

Total Program Credits Required for the Visual Artist Option 64

HEALTH SERVICES MANAGEMENT A.A.S.

Admission Program Objective Code A500

GENERAL EDUCATION

Select one course from each category; see page 92.

Courses	College Credits
LIN 1670 Writing and Grammar	3
_____ or higher English course	
_____ Humanities.....	3
MAT 1033A Intermediate Algebra	3
_____ or higher math course	
_____ Science	4
_____ Social Science	3
_____ General Education Electives.....	2

Total General Education Credits Required..... 18

Core Courses	College Credits
HSC 1531 Medical Terminology	3
HSA 1100 Introduction to Health Care.....	2
HSC 1400 First Aid.....	3
HSC 1100 Health Education.....	3
BSC 2020C Human Structure & Function.....	4

Total Core Credits Required 15

TECHNICAL ELECTIVES

With the approval of an advisor, select 27 credits from the following:

Technical Elective Courses	College Credits
HIM 1000 Intro to Health Information Mgmt.....	3
MNA 1345 Supervision I.....	4
MNA 1161 Customer Service	3
SPC 2300 Interpersonal Communications	3
_____ Health Program Core Courses	
_____ (Dental Assisting, Surg Tech)*	TBA

Total Technical Credits Required 27

Total Program Credits Required..... 60

* Students who have successfully completed an ATD, college credit or vocational/technical credit certificate program in the health care field (e.g. dental assisting, licensed practical nurse, medical coder, sonography technician, etc.) may articulate their ATD/certificate coursework to satisfy up to 27 credits of the technical electives required for this A.A.S. program.

INDUSTRIAL MANAGEMENT TECHNOLOGY

A.A.S.

Admission Program Objective Code A450

Students who successfully complete 30 core/technical credits in this degree program may be eligible to receive the college credit certificate in Management.

GENERAL EDUCATION

Select one course from each category; see page 92.

Courses	College Credits
LIN 1670 Writing and Grammar	3
_____ or higher English course	
_____ Humanities.....	3
MTB 1103 Business Math	3
_____ or higher math course	
_____ Science	4
_____ Social Science	3
_____ General Education Electives.....	2

Total General Education Credits Required..... 18

TECHNICAL ELECTIVES

With the help of an advisor, select 12 credits from the following:

Technical Elective Courses	College Credits
MNA 1161 Customer Service	3
MAN 2021 Management	3
MAN 2300 Personnel Management.....	3
MNA 2100 Organizational Behavior	3
MNA 1016 ISO 9000 Industrial Management	3
MNA 1345 Supervision I.....	3
ETI 2117 Introducing Total Quality.....	3
ETI 2190 Implementing Total Quality	3
CGS 1100 Microcomputer Applications	3
CTS 2101 Introduction to Windows	3
_____ Approved computer-related course.....	3
OST 2335 Business Communications.....	3
GEB 1940 Internship-Business	3-9
_____ (can be completed three times for credit)	
ACG 2001 Accounting I	3
ACG 2011 Accounting II.....	3
ACG 2071 Managerial Accounting.....	3
ECO 2013 Economics I	3
STA 2023 Statistics.....	3
GEB 1011 Introduction to Business	3
SPC 2300 Interpersonal Communications.....	3
GEB 2430 Business Ethics	3
_____ Other Approved College Credits.....	—

Total Technical Elective Credits Required 30

Total Program Credits Required..... 60

• MANUFACTURING TECHNOLOGY A.A.S.

Admission Program Objective Code A350

GENERAL EDUCATION

Select one course from each category; see page 92.

Courses	College Credits
LIN 1670 Writing and Grammar	3
_____ or higher English course	
_____ Humanities.....	3
MAT 1033A Intermediate Algebra	3
_____ or higher math course	
_____ Science	4
_____ Social Science	3
_____ General Education Electives.....	2

Total General Education Credits Required..... 18

Core Courses	College Credits
ETI 2110 Quality Tools I.....	3
ETI 2111 Quality Control II	3
ETI 1710 Occupational Safety	3
ETI 1411 Advanced Manufacturing Processes.....	3
ETI 1420 Properties of Materials and Cutting Tools.....	3
EGS 1110C Engineering Graphics.....	3
ETD 1217 Fundamentals of Dimensioning and Tolerancing.....	4
ETD 2218 Geometric Dimensioning and Tolerancing.....	4

Total Core Credits Required 26

TECHNICAL ELECTIVES

With approval of an advisor, select 20 credits from the following:

Technical Elective Courses	College Credits
ETD 1003C Electronics for Drafters.....	3
ETD 2219 Advanced Geometric Dimensioning and Tolerancing.....	4
ETD 2150 Industrial Print Reading	3
ETD 2250 Tolerance Stacks I.....	3
ETD 2251 Tolerance Stacks II.....	3
ETD 1320C AutoCAD I.....	3
ETD 2364C SolidWorks I	3
PMT 2406 Production Technology	3
PMT 2512 Production Technology II.....	3
_____ Other Approved College Credits.....	—

Total Technical Electives Required..... 20

Total Program Credits Required..... 64

• MUSIC PRODUCTION TECHNOLOGY A.A.S.

Admission Program Objective Code A560

Students who complete selected technical courses in this program may be eligible to receive the college credit certificate in Audio Technology.

GENERAL EDUCATION

Select one course from each category; see page 92.

Courses	College Credits
LIN 1670 Writing and Grammar	3
_____ or higher English course	
_____ Humanities.....	3
MTB 1103 Business Math	3
_____ or higher math course	
_____ Science	4
_____ Social Science	3
_____ General Education Electives.....	2

Total General Education Credits Required..... 18

Core Courses	College Credits
MUM 1620 Audio and Acoustic Fundamentals.....	3
MUM 2300 Introduction to the Music Industry.....	3
MUM 2600 Recording Techniques I.....	3
MUM 2601 Recording Techniques II.....	3
MUM 2604 Multi-Track Mixdown.....	3
_____ (Post Production)	
MUM 2600L Recording Lab	2
MUT 1121 Music Theory I.....	3
MUT 1122 Music Theory II.....	3
MUT 2126 Music Theory III.....	3
MUT 2127 Music Theory IV	3
MUH 1001 Humanities - Music	3
MVV 1211 Applied Voice.....	2-4
_____ (can be completed four times for credit)	
MVK 1211 Applied Piano.....	2-4
_____ (can be completed four times for credit)	
_____ Other Approved College Credits.....	—

Total Core Credits Required 45

Total Program Credits Required..... 63

• NETWORKING ADMINISTRATOR A.A.S.

Admission Program Objective Code A145

Students may apply selected credits from this program to the requirements of the college credit Computer Programming Certificate.

GENERAL EDUCATION

Select one course from each category; see page 92.

Courses	College Credits
LIN 1670 Writing and Grammar	3
_____ or higher English course	
_____ Humanities.....	3
MAT 1033A Intermediate Algebra	3
_____ or higher math course	
_____ Science	4
_____ Social Science	3
_____ General Education Electives.....	2

Total General Education Credits Required..... 18

(continued on next page)

• NETWORKING ADMINISTRATOR (continued) A.A.S.

Core Courses	College Credits
CIS 1000 Introduction to Computer Science.....	3
or	
COP 1006 Intro to Programming Concepts and Logic	3
CTS 2101 Introduction to Windows	3
CGS 1550 Introduction to the World Wide Web	3
CDA 2500 Network Technology	3
CDA 2523 Windows Client Operating System	3
CET 1660 Intro to Network Security.....	3
CTS 1171 Desktop Support	3
Total Core Credits Required	21

TECHNICAL ELECTIVES
With the help of an advisor, select 24 credits from the following:

Technical Elective Courses	College Credits
CIS 1000 Introduction to Computer Science.....	3
or	
COP 1006 Intro to Programming Concepts and Logic	3
COP 2220 Programming in C	3
COP 2010 Visual Basic.....	3
COP 2800 Java	3
CIS 1940 Internship-Computer Science	3-6
(can be taken two times for credit)	
GEB 1940 Internship-Business.....	3
___ ___ Other Approved College Credits	_

Total Technical Credits Required	24
Total Program Credits Required.....	63

• NURSING (RN) A.S.

Admission Program Objective Code 2000

This program is a limited admission program subject to additional program policies and licensure requirements stipulated in the "Nursing Program Student Handbook". Policies are strictly enforced and students should work with the Nursing Program staff rather than self-advise. The admission criteria and process are subject to change; students should contact the Health Technology Programs Division for the most current information.

GENERAL EDUCATION
Select one course from each category; see page 92.

Courses	College Credits
ENC 1101 English Composition I.....	3
___ ___ Humanities.....	3
MAC 1105 College Algebra	3
or	
STA 2023 Statistics	3
BSC 1085C Human Anatomy and Physiology I.....	4
BSC 1086C Human Anatomy and Physiology II.....	4
SYG 2000 Sociology.....	3
Total Core Credits Required	20

Core Courses	College Credits
HUN 2201 Nutrition	3
DEP 2004 Human Growth and Development	3
MCB 2010C Microbiology.....	4
NUR 1021C Nursing Process I.....	6
NUR 1021L Nursing Process I Clinical Experience.....	4
NUR 1231C Nursing Process II.....	5
NUR 1750L Nursing Process II Clinical Experience.....	4
NUR 1141L Pharmacologic Principles in Nursing	1
NUR 2233C Nursing Process III	6
NUR 2233L Nursing Process III: Clinical Experience	4
NUR 2241C Nursing Process IV.....	5
NUR 2241L Nursing Process IV: Clinical Experience	4
NUR 2811L Nursing Clinical Practicum	3

Total Core Credits Required	52
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TECHNICAL ELECTIVES (Not Required)

Technical Elective Courses	College Credits
NUR 1940L Nursing Clinical Externship.....	3
NUR 2930L Nursing Practice Readiness.....	1
NUR 2931 Special Topics in Associate Degree Nursing	5
NUR 2931L Special Topics in Associate Degree Nursing Laboratory	4

Total Program Credits Required.....	72
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• OFFICE ADMINISTRATION A.A.S.

Admission Program Objective Code A100

Students who successfully complete selected technical courses in this program may also be eligible to receive the college credit certificates in Office Specialist and/or Medical Office Management.

GENERAL EDUCATION
Select one course from each category; see page 92.

Courses	College Credits
LIN 1670 Writing and Grammar	3
or higher English course	
___ ___ Humanities.....	3
MAT 1033A Intermediate Algebra	3
or higher math course	
___ ___ Science	4
___ ___ Social Science	3
___ ___ General Education Electives.....	2

Total General Education Credits Required.....	18
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Core Courses	College Credits
CGS 1100 Microcomputer Applications	3
CGS 1570 Microcomputer Applications for Business.....	3
GEB 1011 Introduction to Business	3
OST 2335 Business Communications.....	3
OST 2401 General Office Management.....	3
OST 1355 Records Management	3
OST 1107 Word Processing I.....	3
OST 2117 Word Processing II.....	3

Total Core Credits Required	24
(continued on next page)	

**OFFICE ADMINISTRATION
(continued)**

A.A.S.

**GENERAL OFFICE ADMINISTRATION OPTION
Admission Program Objective Code A100A**

TECHNICAL ELECTIVES

With the help of an advisor, select 21 credits from the following:

Technical Elective Courses	College Credits
CTS 2101 Introduction to Windows	3
CGS 1550 Introduction to the World Wide Web	3
MTB 1103 Business Math	3
GEB 1940 Internship-Business	3-6
(can be completed two times for credit)	
ACG 2001 Accounting I	3
BUL 2241 Business Law I	3
MNA 1345 Supervision	3
GEB 2430 Business Ethics	3
_____ Other Approved College Credits	—

Total Technical Credits Required 21

**Total Program Credits Required for the
General Office Systems Option 63**

**LEGAL OFFICE ADMINISTRATION OPTION
Admission Program Objective Code A100B**

TECHNICAL ELECTIVES

With approval of an advisor, select 21 credits from the following:

Technical Elective Courses	College Credits
PLA 1013 Introduction to the Legal System	3
PLA 1005 Legal Terminology	3
GEB 1940 Internship-Business	3-6
(can be completed two times for credit)	
BUL 2241 Business Law I	3
BUL 2242 Business Law II	3
PLA 1203 Introduction to Civil Law	3
PLA 1103 Legal Research	3
PLA 1104 Case Analysis and Legal Writing	3
PLA 2263 Evidence	3
PLA 1804 Family Law	3
_____ Other Approved College Credits (PLA, CJL preferred)	—

Total Technical Credits Required 21

**Total Program Credits Required for the
Legal Office Administration Option 63**

**MEDICAL OFFICE ADMINISTRATION OPTION
Admission Program Objective Code A100C**

TECHNICAL ELECTIVES

With approval of an advisor, select 21 credits from the following:

Technical Elective Courses	College Credits
HSC 1531 Medical Terminology	3
(required course for this option)	
HSC 1100 Health Education	3
HIM 1000* Introduction to Health Information Management	3
HSC 1400 First Aid	3
BUL 2241 Business Law I	3
GEB 2430 Business Ethics	3
GEB 1940 Internship-Business	3-9
(can be completed three times for credit)	
_____ Other Approved College Credits	—

Total Technical Credits Required 21

**Total Program Credits Required
for the Medical Secretary Option 63**

**MEDICAL INFORMATION CODER/BILLER OPTION
Admission Program Objective Code A100D**

Complete the following technical credits:

Technical Elective Courses	College Credits
HSC 1531 Medical Terminology	3
HIM 1000* Introduction to Health Information Management	3
BSC 1080** Essentials of Anatomy & Physiology	3
HIM 1273C Medical Billing	2
HIM 1282 Basic Coding for Medical Records	4
HIM 2283C Advanced Coding for Medical Records	5
HIM 2432 Pathophysiology	4
HSA 1100 Introduction to Health Care	2
_____ Other Approved College Credits	—

Total Technical Credits Required 20*

**Total Program Credits Required for the
Medical Information Coder/Biller Specialist Option 63**

* HIM 1000 can be used as a substitute for OST 1355.

** If BSC 1085C and BSC 1086C are used for the General Education Science requirement, they can be used as a substitute for BSC 1080 in the program requirements above.

Admission Program Objective Code 2050

Admission will be through a limited access application process. Students will be in class on the Niceville Campus, as well as attend clinical rotations at various health care facilities in the district. Graduates will be eligible to sit for the ARRT certification exam. Students interested in pursuing this program should contact the Division Director of Health Technology at (850) 729-6473.

GENERAL EDUCATION

Unless otherwise stated, select one course from each category; see page 92.

Courses	College Credits
ENC 1101 English Composition I.....	3
_____ or higher English course	
_____ Humanities.....	3
MAC 1105 College Algebra	3
_____ or higher/comparable math course	
BSC 2020C Human Structure or Function	4
_____ Social Science	3
DEP 2004 Human Growth and Development	3

Total General Education Credits Required..... 19

Core Courses	College Credits
RTE 1000 Introduction to Radiologic Technology	3
RTE 1001 Radiologic Terminology	1
RTE 1503C Radiographic Procedures I	4
RTE 1418C Radiographic Techniques I	4
RTE 1804L Radiography Clinical Education I	2
RTE 1513C Radiographic Procedures II	4
RTE 1457 Radiographic Techniques II	3
RTE 1613 Radiographic Physics	3
RTE 1814L Radiography Clinical Education II	2
RTE 2523C Radiographic Procedures III	3
RTE 1824L Radiography Clinical Education III	2
RTE 1834L Radiography Clinical Education IV	2
RTE 2130 Pharmacology for Radiographers	1
RTE 2563 Special Imaging Modalities	3
RTE 2385 Radiographic Protection/Biology	3
RTE 2910 Directed Study in Radiography	1
RTE 2844L Radiography Clinical Education V	4
RTE 2473C Radiographic Techniques III	3
RTE 2202A Professional Practices I	1
RTE 2782 Radiographic Pathology	3
RTE 2854L Radiography Clinical Education VI	4
RTE 2061 Seminar Professional Practices II	2

Total Core Credits Required..... 58

Total Program Credits Required..... 77

Admission Program Objective Code 2480

GENERAL EDUCATION

Select one course from each category; see page 92.

Courses	College Credits
ENC 1101 English Composition I.....	3
_____ or higher English course	
_____ Humanities.....	3
MAC 1105 College Algebra	3
_____ or higher/comparable math course	
_____ Science	4
_____ Social Science	3
_____ General Education Electives.....	2

Total General Education Credits Required..... 18

Core Courses	College Credits
PET 1000 Introduction to Physical Education.....	3
PET 2622 Care and Prevention of Athletic Injuries.....	3
HSC 1100 Health Education	3
HLP 1081 Wellness	3
PEM 1131A Strength Training.....	3
HSC 1400 First Aid.....	3
HUN 2201 Nutrition	3
_____ Selected Activity Courses.....	4

Total Core Credits Required 25

TECHNICAL ELECTIVES

With the approval of an advisor, select at least 21 credits from the following:

Technical Elective Courses	College Credits
CGS 1100 Microcomputer Applications	3
SPC 1600 Speech	3
THE 2100 Introduction to Theater History.....	3
SYG 2000 Sociology.....	3
DEP 2004 Human Growth and Development	3
MNA 2100 Organizational Behavior	3
MAN 2021 Management	3
CCJ 1020 Introduction to Criminal Justice	3
SYG 2010 Social Problems	3
EDF 1005 Introduction to Education.....	3
EDP 2002 Educational Psychology	3
SPC 2300 Interpersonal Communications.....	3
PEM 2108 Fitness Lab	1
_____ Selected Activity Courses.....	4
_____ Other Approved College Credits.....	—

Total Technical Elective Credits Required..... 21

Total Program Credits Required..... 64

THEATER AND ENTERTAINMENT TECHNOLOGY **A.A.S.**

Admission Program Objective Code A585

Students who complete selected technical courses in the Technical Theater Option of this program may be eligible to receive the college credit certificate in Stage Technology.

GENERAL EDUCATION

Select one course from each category; see page 92.

Courses	College Credits
LIN 1670 Writing and Grammar	3
_____ or higher English course	
_____ Humanities.....	3
MTB 1103 Business Math	3
_____ or higher math course	
_____ Science	4
_____ Social Science	3
_____ General Education Electives.....	2

Total General Education Credits Required..... 18

ACTING SPECIALIZATION OPTION
Admission Program Objective Code A585A

Core Courses	College Credits
THE 2100 Introduction to Theatre History.....	3
THE 2300 Dramatic Literature	3
TPA 1210 Stagecraft	3
TPA 1290 Technical Theatre Lab I (Scenic)	3
TPA 2220 Technical Theatre Lab II (Lighting).....	3
TPP 2110 Acting I	3
HUM 2920 Humanities Colloquium	1
MVV 1211 Voice	2-4
(can be completed four times for credit)	

Total Core Credits Required 22

TECHNICAL ELECTIVES

With the approval of an advisor, select 21 credits from the following:

Technical Elective Courses	College Credits
THE 2071 Humanities Cinema Appreciation	3
THE 2080 Amateur Theatre.....	3
THE 2820 Introduction to Creative Dramatics.....	3
TPA 2276 Entertainment Technology - Crafts.....	3
TPP 2111 Acting II	3
TPP 2112 Acting III	3
TPP 2113 Acting IV.....	3
TPP 1190 Rehearsal and Performance I.....	3
TPP 1191 Rehearsal and Performance II.....	3
TPP 1192 Rehearsal and Performance III.....	3
TPP 2301 Directing I	3
TPP 2311 Directing II	3
_____ Other Approved College Credits	_

Total Technical Elective Credits Required 24

Total Program Credits Required..... 64

Note: A proficiency exam may be required in major emphasis area(s).

COSTUMING SPECIALIZATION OPTION
Admission Program Objective Code A585E

Core Courses	College Credits
TPA 2232 Introduction to Costuming Technology.....	3
THE 2100 Introduction to Theatre History.....	3
THE 2300 Dramatic Literature	3
TPA 1210 Stagecraft	3
TPP 2110 Acting I	3
TPA 1290 Technical Theatre I (Scenic)	3
TPA 2220 Technical Theatre II (Lighting).....	3
TPP 1190 Rehearsal and Performance I.....	3
THE 2930 Theater - Special Topics.....	3
TPP 2930 Theater Performance - Special Topics.....	3

Total Core Credits Required 30

TECHNICAL ELECTIVES

With the approval of an advisor, select 16 credits from the following:

Technical Elective Courses	College Credits
TPP 2310 Directing I	3
TPP 2111 Acting II	3
THE 2071 Humanities Cinema Appreciation	3
THE 2080 Amateur Theatre.....	3
THE 2320 Introduction to Creative Dramatics	3
TPP 2112 Acting III	3
TPP 1191 Rehearsal and Performance II.....	3
TPP 1192 Rehearsal and Performance III.....	3
TPP 2600 Stage Management	3
_____ Other Approved College Credits	_

Total Technical Elective Credits Required 16

Total Program Credits Required..... 64

DANCE SPECIALIZATION OPTION
Admission Program Objective Code A585B

Core Courses	College Credits
DAA 1200 Beginning Ballet I.....	4-8 (can be completed four times for credit)
DAA 1201 Intermediate Ballet.....	4-8 (can be completed four times for credit)
DAA 2202 Advanced Ballet.....	4-8 (can be completed four times for credit)
DAA 1100 Beginning Modern Dance.....	4-8 (can be completed four times for credit)
DAA 1101 Intermediate Modern Dance.....	4-8 (can be completed four times for credit)
DAA 2610 Dance Composition.....	2
DAA 2683 Dance Performance.....	<u>2-4</u> (can be completed two times for credit)

Total Core Credits Required20-38

TECHNICAL ELECTIVES

With the approval of an advisor, select 8-26 credits from the following:

Technical Elective Courses	College Credits
DAA 1681 Dance Ensemble.....	1-4 (can be completed four times for credit)
DAA 1500A Beginning Jazz Dance.....	1-4 (can be completed four times for credit)
DAA 1501 Intermediate Jazz Dance.....	1-4 (can be completed four times for credit)
DAA 1580 Musical Theatre Dance I.....	1-4 (can be completed four times for credit)
DAA 2581 Musical Theatre Dance II.....	1-4 (can be completed four times for credit)
DAA 2220 Pointe.....	1-4 (can be completed four times for credit)
DAA 1520 Beginning Tap.....	1-4 (can be completed four times for credit)
DAN 1750 Dance Conditioning.....	1-4 (can be completed four times for credit)
TPA 1210 Stagecraft.....	3
TPA 2232 Introduction to Costuming Technology.....	3
TPA 2220 Technical Theatre II.....	3
_____ Other Approved College Credits.....	_____

Total Technical Elective Credits Required8-26

Total Program Credits Required

Dance Specialization Option64

Note: A proficiency exam may be required in major emphasis area(s).

MUSICAL THEATER OPTION
Admission Program Objective Code A585C

Core Courses	College Credits
MUT 1121 Music Theory I.....	3
MUT 1122 Music Theory II.....	3
MUT 2126 Music Theory III.....	3
MUT 2127 Music Theory IV.....	3
MVK 1211 Applied Piano I.....	2-4 (can be completed four times for credit)
MVK 2221 Applied Piano II.....	2-4 (can be completed four times for credit)
HUM 2920 Humanities Colloquium I.....	1
MUN _____ Music Ensembles.....	<u>4</u>

Total Core Credits Required21-24

TECHNICAL ELECTIVES

With the approval of an advisor, select 22-25 credits from the following:

Technical Elective Courses	College Credits
MUN 1000 Summer Ensemble I.....	3
MUN 1001 Summer Ensemble II.....	3
MUN 1002 Summer Ensemble III.....	3
MUN 1003 Summer Ensemble IV.....	3
MUT 1001 Fundamentals of Music.....	3
MUT 1641 Jazz Improvisation I.....	2
MUT 2642 Jazz Improvisation II.....	2
MUT 2351 Jazz Theory & Arranging.....	3
MUN _____ Music Ensembles (as needed).....	4-12
M_____ Applied Music.....	4-12
DAA _____ Ballet, Jazz, Modern.....	4-12
_____ Other Approved College Credits.....	_____

Total Technical Elective Credits Required22-25

Total Program Credits Required

Musical Theatre Specialization Option64

Note: A proficiency exam may be required in major emphasis area(s).

TECHNICAL THEATER OPTION
Admission Program Objective Code A585D

Core Courses	College Credits
THE 2100 Introduction to Theatre History.....	3
THE 2300 Dramatic Literature.....	3
TPA 1210 Stagecraft.....	3
TPA 1290 Technical Theatre I (Scenic).....	3
TPA 2220 Technical Theatre II (Lighting).....	3
TPP 2110 Acting I.....	3
TPP 2600 Stage Management.....	3
HUM 2920 Humanities Colloquium.....	1
MUM 1620 Audio and Acoustic Fundamentals.....	<u>3</u>

Total Core Credits Required25

TECHNICAL ELECTIVES

With the approval of an advisor, select 21 credits from the following:

Technical Elective Courses	College Credits
THE 2071 Humanities Cinema Appreciation.....	3
THE 2080 Amateur Theatre.....	3
THE 2820 Introduction to Creative Dramatics.....	3
TPA 2232 Introduction to Costuming.....	3
TPA 2276 Entertainment Technology - Crafts.....	3
TPP 2211 Acting II.....	3
ART 1203C Three Dimensional Design.....	3
ART 1300C Drawing I.....	3
TPP 1190 Rehearsal and Performance I.....	3
TPP 1191 Rehearsal and Performance II.....	3
TPP 1192 Rehearsal and Performance III.....	3
TPP 2301 Directing I.....	3
TPP 2311 Directing II.....	3
_____ Other Approved College Credits.....	_____

Total Technical Elective Credits Required21

Total Program Credits Required.....64

Note: A proficiency exam may be required in major emphasis area(s).