Associate in Science Degree

A.S. College Credit Programs

The two-year Associate in Science degree is designed for individuals looking for specialized study at the college level, which will lead to immediate entry into a career upon graduation. The A.S. degree programs are comprised mostly of courses directly related to the identified career area. The remaining courses are comprised of general education courses such as English, oral communications, math/science, behavioral/social science, and humanities. Several of the A.S. degree programs are covered by a statewide articulation agreement that allows transfer to the corresponding bachelor's degree program at Florida public universities. In addition, many of the other A.S. degree programs have established articulation agreements with selected universities. The general education component of the A.S. degree is transferable to the upper divisions.

Allied Health programs are offered at the Medical Center Campus only. See page 91.

STUDENTS IN ALL PROGRAMS SHOULD CHECK THEIR INDIVIDUALIZED DEGREE AUDIT REPORT TO DETERMINE THE SPECIFIC GRADUATION POLICIES IN EFFECT FOR THEIR PROGRAM OF STUDY FOR THE YEAR AND TERM THEY ENTERED MIAMI-DADE. THIS OUTLINE INCLUDES CURRENT GRADUATION REQUIREMENTS.

THE FINAL RESPONSIBILITY FOR MEETING GRADUATION REQUIREMENTS STATED IN YOUR DEGREE AUDIT REPORT RESTS WITH YOU.

Accounting Technology
Associate in Science

The Accounting Technology program is designed mainly for students who intend to seek immediate employment in the field of accounting and for those presently employed in business but seeking advancement. Completion of this program prepares the student for employment as a paraprofessional in the accounting field.

Instruction emphasizes accounting competencies required at the entry level while also providing the student with a broad business overview and the required general education courses.

The Associate in Arts degree is also available to the student planning to transfer to a senior institution after graduation from miami-dade community college. Please consult a business advisor about additional courses for such plans.

Course		Course Title	Cr
Major Course Requirements - 29 Credits Required			
(Select the following courses)			
* ACG	2021	Financial Accounting	3
ACG	2021L	Financial Accounting Lab	1
ACG	2071	Managerial Accounting	3
ACG	2071L	Managerial Acct Lab	1
ACG	2450	Microcomp In Accounting	3
BUL	2130	Legal Environment	3
or			
BUL	2241	Business Law 1	3
ECO	2013	Prin of Eco/Macro	3
FIN	2000	Principles of Finance	3
GEB	1011	Principles of Business	3
OST	2335	Business Writing	3
TAX	2000	Income Taxes	3

* ACG2021 covers in one term what ACG2001 and 2011 cover in two terms; therefore, ACG2001 and ACG2011 may be substituted for ACG2021.

Electives - 20 Credits Required			
(Select from the following courses)			
ACG	2031	Accounting Theory	3
ACG	2100	Interm Accounting 1	3
ACG	2110	Interm Accounting 2	3
ACG	2170	Fin Statement Analysis	3
ACG	2360	Cost Accounting	3
ACG	2450L	Microcomp Acct Lab	2
ACG	2630	Auditing	3
BUL	2242	Business Law 2	3
CGS	1060	Intro to Microcomp	4
CGS	1510	Elec Sprdsht Bus Data Proc	1
ECO	2023	Prin of Eco/Micro	3
MAN	2021	Prin of Management	3
MAR	1011	Prin of Marketing	3
MTB	1103	Business Mathematics	3
MTB	1302L	Business Mathematics Lab	1
OST	1141	Keyboarding for Comp	1
QMB	2100L	Business Statistics Lab	1
TAX	2010	Bus Taxes and Returns	3

Any other ACG, MAN, MNA, MAR, MKA, FIN, REE, PUR or GEB prefix courses must be approved by the Department Chairperson.

Communications - 3 Credits Required
(Select the following course)

ENC	1101	English Comp 1	3

Oral Communications - 3 Credits Required
(Select the following course)

SPC	1026	Fund Of Speech Comm	3

Humanities - 3 Credits Required
(Select the following course)

PHI	2604	Crit Think/Ethics	3

Behavioral Science/Social Environment - 3 Credits Required
(Select the following course)

PPE	1005	Psy of Personal Effect	3

Mathematics/ Science - 3 Credits Required
(Select from the following course)

QMB	2100	Business Statistics	3

Computer Competency

By the 16th earned college level credit (excluding EAP and college preparatory courses), a student **must** take the Computer Competency test and **pass**

or

By the 31st earned college level credit (excluding EAP and college preparatory courses), a student must **pass** CGS 1060, an equivalent continuing education **or** vocational credit course or retest with a **passing** score on the Computer Competency test

Total credits required for Associate in Science degree is 64.

Air Conditioning Refrigeration/Heating Systems Technology
Associate in Science

The Air Conditioning Refrigeration/Heating Systems Technology program prepares the student to perform engineering design of air conditioning environmental control systems. The graduate will qualify for positions as an engineering technician with a consultant engineer, architect, contractor, project manager, sales engineer, maintenance or operations supervisor, and other similar air conditioning positions. The graduate may apply degree towards a State of Florida Mechanical Contractor's License. Consult with an air conditioning advisor prior to registration.

Course	Course Title	Cr
Major Course Requirements - 43 Credits Required		
(Select the following courses)		
EGS 2020	Engin Meas & Comp	3
ETD 1200	Technical Drawing 1	4
ETD 1330	Comp Aided Draw/Design	3
ETM 1102	Solar Energy Fund	3
ETM 1700	Aircond Fundamental	3
ETM 1710C	Aircond Load Anly	3
ETM 1720C	Aircond Equipment	3
ETM 2730C	Air Distribution	3
ETM 2740C	Aircond Cont & Motors	3
ETM 2750C	Aircond Sys Design	3
ETM 2752C	Aircond Cent Sys Des	3
ETM 2760C	Heat & Refrigeration	3
ETM 2930	Aircond Seminar	3
MTB 1321	Tech Math 1	3

Electives - 6 Credits Required
See an academic advisor for approval of electives not already taken with the following prefixes: ARC, BCN, ETC, ETD, ETI, SUR

Communications - 3 Credits Required
(Select the following course)

ENC 1101	English Comp 1	3

Oral Communications - 3 Credits Required
(Select the following course)

SPC 1026	Fund of Speech Comm	3

Humanities - 3 Credits Required
(Select the following course)

PHI 2604	Crit Think/Ethics	3

Behavioral Science/Social Environment - 3 Credits Required
(Select the following course)

PPE 1005	Psy of Personal Effect	3

Mathematics/Science - 3 Credit Required
(Select the following course)

MAC 1105	College Algebra	3

Computer Competency
By the 16th earned college level credit (excluding EAP and college preparatory courses), a student **must** take the Computer Competency test and **pass**
or
By the 31st earned college level credit (excluding EAP and college preparatory courses), a student must **pass** CGS 1060, an equivalent continuing education **or** vocational credit course or retest with a **passing** score on the Computer Competency test

*Total credits required for
Associate in Science degree is 64.*

Architectural Design and Construction Technology
Associate in Science

The Architectural Ddesign and Cconstruction Ttechnology program offers courses that enable the student to translate the design and systems of the architect into graphic and written form and assists the professional in rendering architectural services. The attainment of these skills qualifies the student

for several specialties, such as, architectural drafting, cost estimating, material selecting, specification writing, and preparing presentations, drawings & models. The graduate of this program may also transfer to florida international university as a junior in architectural technology or construction management. (many other universities also accept graduates at the junior level.)

Course	Course Title	Cr
Major Course Requirements - 43 Credits Required		
(Select the following courses)		
ARC 1126	Arch Drawing 1	4
ARC 1115	Arch Commun 1	2
ARC 1128	Arch Drawing 2	4
ARC 1301	Arch Design 1	4
ARC 2053	Arch Computer Applic	4
ARC 2056	Comp Aided Arch Present	4
ARC 2171	Comp Aided Draft 1	4
ARC 2172	Comp Aided Draft 2	4
ARC 2461	Arch Mat Const 1	4
ARC 2681	Environmental Tech	3
ARC 2701	Hist Architecture 1	3
BCT 2760	Bldg Code Regulation	3

Electives - 8 Credits Required
(Select from the following courses)

ARC 1131	Arch Present	3
ARC 1302	Arch Design 2	4
ARC 1949	Co-Op Work Exper	3
ARC 2201	Theory of Arch	3
ARC 2580	Arch Structures 1	4
ARC 2581	Arch Structures 2	4
ARC 2702	Hist Architecture 2	3
ARC 2949	Co-Op Work Exper	3
BCN 1721	Bldg Const Plan Cost	3
BCT 1600	Bldg Const Est Fund	3
BCT 1601	Bldg Const Adv Est	3
BCT 1743	Bldg Const Law	3
BCT 1750	Bldg Const Finance	3
GRA 1500	Intro to Graphic Comm	3
GRA 1571C	Intro to Dig Imaging	4
GRA 2577C	Electronic Photoshop	4

Communications - 3 Credits Required
(Select the following course)

ENC 1101	English Comp 1	3

Oral Communications - 3 Credits Required
(Select the following course)

SPC 1026	Fund of Speech Comm	3

Humanities - 3 Credits Required
(Select the following course)

PHI 2604	Crit Think/Ethics	3

Behavioral Science/Social Environment - 3 Credits Required
(Select the followin course)

PPE 1005	Psy of Personal Effect	3

Mathematics/science - 3 credits required
(Select the following course)

MAC 1105	College Algebra	3

Computer Competency
By the 16th earned college level credit (excluding EAP and college preparatory courses), a student **must** take the Computer Competency test and **pass**
or
By the 31st earned college level credit (excluding EAP and college preparatory courses), a student must **pass** CGS 1060, an equivalent continuing education **or** vocational credit course or retest with a **passing** score on the Computer Competency test

*Total credits required for
Associate in Science degree is 66.*

Automotive Service Management
Associate in Science

The Automotive Service Management Technology program is offered for students who have completed or are concurrently enrolled in a nationally certified and approved 1440 contact-hour auto mechanics training program. The graduate will be

prepared to progress from an automotive technician position to administrative, service or sales positions in the automotive sales and services industry. Students are required to possess a high school diploma or equivalent in order to complete the A.S. degree in Automotive Service Management Technology.

To be awarded the Associate in Science degree a student must complete the general education requirements, courses in business and management and other technical and oral communication courses, in addition to completing the Automotive Certified Auto Mechanics program at a technical center.

Course	Course Title	Cr
Major Course Requirements - 9 Credits Required		
(Select from the following courses)		
MNA 1345	Effective Supervision	3
MAN 2021	Prin of Management	3
MNA 2120	Managerial Psycholog	3
or		
MAN 2300	Human Resources Mgt	3

Major Course Requirements - 44 Credits Required
(Awarded for successful completion of 1440 contact hour nationally certified and approved auto mechanics training program as prescribed in M-DCC technical procedures)

+ AER 9995	ASE Certification	44

Communications - 3 Credits Required
(Select the following course)

ENC 1101	English Comp 1	3

Oral Communications - 3 Credits Required
(Select the following course)

SPC 1026	Fund of Speech Comm	3

Humanities - 3 Credits Required
(Select the following course)

PHI 2604	Crit Think/Ethics	3

Behavioral Science/Social Environment - 3 Credits Required
(Select the following course)

PPE 1005	Psy of Personal Effect	3

Mathematics/Science - 3 Credits Required
(Select the following course)

QMB 2100	Business Statistics	3
or		
MAC 1105	College Algebra	3

Computer Competency
By the 16th earned college level credit (excluding EAP and college preparatory courses), a student **must** take the Computer Competency test and **pass**
or
By the 31st earned college level credit (excluding EAP and college preparatory courses), a student must **pass** CGS 1060, an equivalent continuing education **or** vocational credit course or retest with a **passing** score on the Computer Competency test

*Total credits required for
Associate in Science degree is 68.*

Additional information:

+ Awarded to students who have graduated from the Automotive Technology program offered by the Miami-Dade County Public Schools, that is Automotive Service Excellence (ASE) certified by the National Automotive Technicians Education Foundation (NATEF).

Aviation Administration
Associate in Science

The Aviation Administration program provides training in entry level skills for many aviation employment fields. Graduates find opportunities in airport ground-side and air-side jobs as well as the areas of air-cargo and the many data entry positions required by modern airline management.

Course		Course Title	Cr
Major Course Requirements - 38 Credits Required			
(Select the following courses)			
ASC	2320	Aviation Laws & Regs	3
ATT	2820	Air Traffic Control	3
AVM	1010	Aviation Ind Operations	3
AVM	1022	Flight Operations	3
AVM	1062	Aviation Career Plan	1
AVM	1520	Airline Reservations	3
AVM	1521	Airline Ticketing	3
AVM	2120	Air Cargo Operations	3
AVM	2431	Customer Service Agent	3
AVM	2510	Airline Management	3
AVM	2515	Airline Marketing	3
CGS	1060	Intro to Microcomputers	4
MAN	2021	Prin of Management	3

Course		Course Title	Cr
Electives - 11 Credits Required			
(Select from the following courses)			
ACG	2001	Prin of Accounting 1	3
ASC	1210	Aviation Meteorology	3
ATF	1000	Intro to Flight	3
ATT	2821	ATC Radar Procedures	3
ATT	2822	VCR Tower Operations	3
AVM	1101	International Routes	3
AVM	1949	Co-Op Work Exp 1:AVI	1-3
AVM	2949	Co-Op Work Exp 2:AVI	1-3

Communications - 3 Credits Required			
(Select the following course)			
ENC	1101	English Comp 1	3

Oral Communications - 3 Credits Required			
(Select the following course)			
SPC	1026	Fund of Speech Comm	3

Humanities - 3 Credits Required			
(Select the following course)			
PHI	2604	Crit Think/Ethics	3

Behavioral Science/Social Environment - 3 Credits Required			
(Select the following course)			
PPE	1005	Psy of Personal Effect	3

Mathematics/Science - 3 Credits Required			
(Select the following course)			
MAC	1105	College Algebra	3
or			
MET	1010	Intro to Weather	3

Computer Competency
By the 16th earned college level credit (excluding EAP and college preparatory courses), a student **must** take the Computer Competency test and **pass**
or
By the 31st earned college level credit (excluding EAP and college preparatory courses), a student must **pass** CGS 1060, an equivalent continuing education **or** vocational credit course or retest with a **passing** score on the Computer Competency test

Total credits required for
Associate in Science degree is 64.

Additional Information:

For information and advisement: contact the Aviation Department (305) 237-5060.

Students may choose to take ATT2881; 2822; AVM1022, 2431 to pursue the Air Traffic option.

Aviation Maintenance Management
Associate in Science

The Aviation Maintenance Management is a special program where 45 semester hours are awarded to students who possess the federal aviation administration aircraft and powerplant (A & P) certificate. The thirty additional required credits consist of general education and technical requirements needed by the licensee for the Associate in Science degree.

Course		Course Title	Cr
Major Course Requirements - 65 Credits Required			
(Select the following courses)			
+	ASC	9995	A
& P Certification 45			
ASC	2320	Aviation Laws & Reg	3
AVM	1022	Flight Operations	3
AVM	1062	Aviation Career Plan	1
AVM	2510	Airline Management	3
AVM	2515	Airline Marketing	3
AVM	2431	Customer Service Agent	3
CGS	1060	Intro to Microcomputer	4

Electives - 3 Credits Required			
(Select from the following courses)			
ATT	2820	Air Traffic Control	3
or			
AVM	1010	Aviation Indus Oper	3
or			
ATT	1100	Priv Pilot Theory	3

Communications - 3 Credits Required			
(Select the following course)			
ENC	1101	English Comp 1	3

Oral Communications - 3 Credits Required			
(Select the following course)			
SPC	1026	Fund of Speech Comm	3

Humanities - 3 Credits Required			
(Select the following course)			
PHI	2604	Crit Thnk/Ethics	3

Behavioral Science/Social Environment - 3 Credits Required			
(Select the following course)			
PPE	1005	Psy of Personal Effect	3

Mathematics/Science - 3 Credits Required			
(Select the following course)			
MAC	1105	College Algebra	3
or			
MET	1010	Intro to Weather	3

Computer Competency
By the 16th earned college level credit (excluding EAP and college preparatory courses), a student **must** take the Computer Competency test and **pass**
or
By the 31st earned college level credit (excluding EAP and college preparatory courses), a student must **pass** CGS 1060, an equivalent continuing education **or** vocational credit course or retest with a **passing** score on the Computer Competency test

Total credits required for
Associate in Science degree is 83.

Additional Information:

+ Awarded to students who possess the FAA A & P certification.

Contact the Aviation Department at (305) 237-5060 for information and advisement.

Building Construction Technology
Associate in Science

The Building Contruction Technology program is designed to furnish technically trained personnel for the building construction industry. The graduate may work with a contractor as part of the adminis-

trative team in such entry job positions as those leading to estimators, job coordinators, or project managers. Technical jobs may also be available in the following areas: land and project developers; technical sales for building materials, systems, and equipment; with local, state, and federal government agencies, as well as various financial institutions.

Course		Course Title	Cr
Major Course Requirements - 42 Credits Required			
(Select the following courses)			
ARC	1126	Arch Drawing 1	4
ARC	2053	Arch Computer Applic	4
ARC	2461	Arch Mat Const 1	4
ARC	2681	Environmental Tech	3
BCN	1272	Bldg Const Plan Int1	3
BCN	1275	Bldg Const Plan In 2	3
BCN	1721	Bldg Const Plan Cost	3
BCT	1600	Bldg Const Est Fund	3
BCT	1601	Bldg Const Adv Est	3
BCT	1743	Bldg Const Law	3
BCT	1750	Bldg Const Finance	3
BCT	2760	Bldg Code Regulation	3
SUR	1001C	Construction Survey	3

Electives - 7 Credits Required			
(Select from the following courses)			
ARC	1128	Arch Drawing 2	4
ARC	2171	Comp Aided Draft 1	4
ARC	2580	Arch Structures 1	4
BCN	2925	Bldg Const Seminar	1-3
ETM	1700	Aircond Fundamental	3

Communications - 3 Credits Required			
(Select the following course)			
ENC	1101	English Comp 1	3

Oral Communications - 3 Credits Required			
(Select the following course)			
SPC	1026	Fund of Speech Comm	3

Humanities - 3 Credits Required			
(Select the following course)			
PHI	2604	Crit Think/Ethics	3

Behavioral Science/Social Environment - 3 Credits Required			
(Select the following course)			
PPE	1005	Psy of Personal Effect	3

Mathematics/Science - 3 Credits Required			
(Select from the following course)			
MAC	1105	College Algebra	3

Computer Competency
By the 16th earned college level credit (excluding EAP and college preparatory courses), a student **must** take the Computer Competency test and **pass**
or
By the 31st earned college level credit (excluding EAP and college preparatory courses), a student must **pass** CGS 1060, an equivalent continuing education **or** vocational credit course or retest with a **passing** score on the Computer Competency test

Total credits required for
Associate in Science degree is 64.

Business Administration
Associate in Science

*** This program transfers to four-year institutions.
See department for information ***

The Business Administration program trains individuals to assume management or supervisory positions in business, industry, and government. It provides basic skills in a broad range of business function including accounting, computer usage, management, and marketing. Successful completion of this program earns the student entry into any university in the State University System as part of the A.S. to B.S. program.

Course		Course Title	Cr
Major Course Requirements - 40 Credits Required			
(Select the following courses)			
* ACG	2021	Financial Accounting	3

ACG	2021L	Financial Act Lab	1
ACG	2071	Managerial Accounting	3
ACG	2071L	Managerial Acct Lab	1
BUL	2241	Business Law 1	3
	or		
BUL	2130	Legal Environment	3
CGS	1060	Intro to Micro Usage	4
ECO	2013	Prin/Economics-Macro	3
ECO	2023	Prin/Economics-Micro	3
ECO	2301	Hist Economic Ideas	3
GEB	1011	Prin of Business	3
MAN	2021	Prin of Management	3
MAR	1011	Prin of Marketing	3
OST	2335	Business Writing	3
PUR	2003	Public Relations	3
QMB	2100L	Statistics Lab	1

* ACG2001 & ACG2001L and ACG2011 & ACG2011L may be taken in place of ACG2021 & ACG2021L (ACG 2021 & ACG2021L cover in one term what ACG2001 & 2001L & 2011 & 2011L cover in two terms.)

Communications - 6 Credits Required
(Select the following course)

ENC	1101	English Comp 1	3
ENC	1102	English Comp 2	3

Oral Communications - 3 Credits Required
(Select the following course)

SPC	1026	Fund of Speech Comm	3

Humanities - 3 Credits Required
(Select the following course)

PHI	2604	Crit Think/Ethics	3

Behavioral Science/Social Environment - 3 Credits Required
(Select the following course)

PPE	1005	Psy of Personal Effect	3

Mathematics/Science - 9 Credits Required
(Select from the following courses)

MAC	1105	College Algebra	3
MAC	2233	Business Calculus	3
QMB	2100	Basic Business Stats	3

Computer Competency
By the 16th earned college level credit (excluding EAP and college preparatory courses), a student **must** take the Computer Competency test and **pass**
or
By the 31st earned college level credit (excluding EAP and college preparatory courses), a student must **pass** CGS 1060, an equivalent continuing education **or** vocational credit course or retest with a **passing** score on the Computer Competency test

Total credits required for Associate in Science degree is 64.

Child Development and Education Associate in Science

The Child Development and Education program provides training for students who desire to enter the field of early childhood education. It combines classroom instruction and field work experience with an emphasis on developmentally appropriate programming for young children. Within the program there is the option of earning a child development associate equivalency certificate. This option is designed for those students who intend to seek immediate employment in the field. The requirements for the Florida D.C.F. 40-Hour Child Care Training Certificates are included in the program. students who complete the A.S. Degree in Child Development and Education also earn the A.A. degree in Pre-Bachelor of Arts.

Course		Course Title	Cr

Major Course Requirements - 27 Credits Required
(Select the following courses)

EDF	1005	Intro to Education	3
EDG	2701	Diverse Populations	3
EEC	1000	Intro/Early Child Ed	3
EEC	1200	Erly Chdhd Curr 1	3
EEC	1311	Erly Childhd Curr 2	3
EEC	2202	Oper of Early Chil Fac	3
EME	2040	Intro to Educational Tech	3
ENC	1102	English Comp 2	3
MAC	1105	College Algebra	3

Select an additional three (3) credits from the following humanities courses:

ARH	2740	Cinema Appreciation	3
LIT	2120	Survey of World Lit	3
MUL	2380	Jazz & Pop Music In Amer	3
PHI	2010	Intro to Philosophy	3
THE	2000	Intro to Drama	3

Select an additional six (6) credits from the following behavioral science courses one of which must be DEP 2000 OR DEP 2100.

AMH	2020	History of US Since 1877	3
ANT	2410	Intro to Cult Anthrop	3
DEP	2000	Human Growth/Dev	3
	or		
DEP	2100	Child Growth/Develop	3
ISS	1120	The Social Environment	3
ISS	1161	Individual in Society	3
SYG	2000	Intro to Sociology	3

Select an additional six (6) credits from the following natural science courses one of which must be BSC 1008.

BSC	1008	Gen Ed Biology	3

HUN	1201	Essential of Nutrition	3
MET	1010	Intro to Weather	3
OCE	1001	Intro to Oceanography	3
PSC	1515	Energy in Nat Environ	3

Electives - 6 Credits Required
(Select from the following courses)

ARE	1110C	Art in Elem School	4
AMH	2020	History of US Since 1877	3
ARH	1000	Art Appreciation	3
BSC	1008L	Gen Ed Biology Lab	1
DEP	2000	Human Growth & Dev	3
DEP	2100	Child Growth/Developmnt	3
EDG	2943	Edu Serv Field Work	3
EDF	1949	Co-Op Edu Work Exp	3
EEC	1500	Infant/Toddler Dev	3
EEC	2002	Oper Early Chld Fac	3
EEX	2000	Intro/Special Ed	3
HSC	2400	First Aid	3
ISS	1120	The Social Environment	3
ISS	1161	Individual in Society	3
LIT	2330	Survey of Children's Lit	3
MUE	1290	Music Skills	3
MUL	1010	Music Appreciation	3
PET	2430	Skil/Con Elem Child	3
PSY	2012	Intro to Psychology	3
SYG	2000	Intro to Sociology	3
SYG	2010	Social Problems	3
SYG	2430	Marriage & the Family	3

Communications - 3 Credits Required
(Select the following course)

ENC	1101	English Comp 1	3

Oral Communications - 3 Credits Required
(Select the following course)

SPC	1026	Fund of Speech Comm	3

Humanities - 3 Credits Required
(Select the following course)

PHI	2604	Crit Think/Ethics	3

Behavioral Science/Social Environment - 3 Credits Required
(Select the following course)

PPE	1005	Psy of Personal Effect	3

Mathematics/Science - 3 Credits Required
(Select the following course)

MGF	1106	Math for Liberal Arts	3

Computer Competency
By the 16th earned college level credit (excluding EAP and college preparatory courses), a student

must take the Computer Competency test and **pass**
or
By the 31st earned college level credit (excluding EAP and college preparatory courses), a student must **pass** CGS 1060, an equivalent continuing education **or** vocational credit course or retest with a **passing** score on the Computer Competency test

Total credits required for
Associate in Science degree is 63.

Additional Information:

Note: EEC1000, 1200, 1311, 2202, must be completed with a grade of "C" or better in each course.

Upon completion of these requirements students will be eligible for both the A.S. and A.A. degrees.

Civil Engineering Technology
Associate in Science

The Civil Engineering Technology program is designed for those students who wish immediate job placement prior to or after graduation. This program also satisfies many of the civil engineering freshman and sophomore requirements for the bachelor of engineering technology degree offered by certain universities. Consult with your civil engineering advisor prior to registration.

Course		Course Title	Cr
Major Course Requirements - 45 Credits Required			
(Select the following courses)			
ETC	1250	Construction Mater	3
ETC	2201	Design Insp Eng Sm 1	3
ETC	2203	Computing & Estimat	3
ETC	2451	Concrete Construction	3
ETD	1330	Comp Aided Draft/Design	3
ETG	2502	Statics	3
ETG	2530C	Strength of Material	3
SUR	1101C	Surveying 1	4
SUR	1102C	Surveying 2	4
SUR	2301C	Topography & Mapping	4
SUR	2402C	Land Surveying 1	3
SUR	2403C	Land Survey 2	3
SUR	2462C	Subdivisions	3

Course		Course Title	Cr
Electives - 3 Credits Required			
(Select from the following courses)			
EGS	1111C	Engineering Graphics	5
EGS	1220C	Basic Computer Lang	2
EGS	2020	Engin Measure & Comp	3
ETC	1930	Const/Engin Sem 1	1-3
ETC	2210C	Geotechnics & Soils	4
ETC	2521	Hydrlcs/Drain Struct	3
ETC	2562	Eng Proj Plan/Dev	3
ETD	1330	Comp Aided Draw/Des	3
ETD	1542	Structural Drafting	3
ETG	1513C	Hydraul & Pneumatics	3
ETI	2121	Materials Testing	3
SUR	1001C	Construction Survey	3
SUR	1640C	Land Surveying Compu	3
SUR	2330C	Photogammetry 1	3
SUR	2401C	Land Surveying 1	3
SUR	2403C	Land Surveying 2	3
SUR	2462C	Subdivisions	3

Communications - 3 Credits Required
(Select the following course)
ENC 1101   English Comp 1   3

Oral Communications - 3 Credits Required
(Select the following course)
SPC 1026   Fund of Speech Comm   3

Humanities - 3 Credits Required
(Select the following course)
PHI 2604   Crit Think/Ethics   3

Behavioral Science/Social Environment - 3 Credits Required
(Select the following course)
PPE 1005   Psy of Personal Effect   3

Mathematics/Science - 3 Credits Required
(Select the following course)
MAC 1105   College Algebra   3

Computer Competency
By the 16th earned college level credit (excluding EAP and college preparatory courses), a student **must** take the Computer Competency test and **pass**
or
By the 31st earned college level credit (excluding EAP and college preparatory courses), a student must **pass** CGS 1060, an equivalent continuing education **or** vocational credit course or retest with a **passing** score on the Computer Competency test

Total credits required for
Associate in Science degree is 63.

Computer Engineering Technology
Associate in Science

The Computer Engineering Technology program prepares students for employment as computer engineering technicians/technologists and in related occupations in electronics or to provide supplemental training for persons currently or previously employed in these occupations. The program focuses on the understanding and applying of hardware and software concepts, in additiona to troubleshooting techniques to digital, microprocessor, or computer-based systems. Assembly, installation, operation, maintenance, calibration, troubleshooting, repairing, and elementary design of medical systems are taught using an integrated applied and theoretical approach.

Course		Course Title	Cr
Major Course Requirements – 46 Credits Required			
(Select from the following courses)			
CET	1171	Micro-Comp Serv & Maint 1	3
CET	1172C	Micro-Comp Serv & Maint 2	3
CET	1173C	Networking 1	3
CET	2114C	Dig Comp Circ Analysis 1	4
CET	2123C	Microprocessors	4
CET	2142C	Computers 2	4
CET	2176C	Micro-Comp Serv & Maint 3	3
COP	1220	"C" Programming	4
EET	1015C	Direct Current Circuity	4
EET	1025C	Alter Current Circuity	4
EET	1082	Intro to Electronics	3
EET	2351	Fund Dig & Data Comm	4
MTB	1322	Tech Mathematics 2	3

Course		Course Title	Cr
Electives - 7 Credits Required			
(Select from the following courses)			
CEN	1511	Networking Tech	4
CET	2253	Appl Oper Systems	4
CET	2930	A+ Certification	3
EET	1141C	Semiconduct Fund	4
EET	1142C	Transistors	4
EET	2101C	Electronic Device	4
ETD	1330	Autocad	3
ETD	2350	Auto Cad 2	3
MTB	1321	Tech Mathematics 1	3

Communications - 3 Credits Required
(Select the following course)
ENC 1101   English Comp 1   3

Oral Communications - 3 Credits Required
(Select the following course)
SPC 1026   Fund of Speech Comm   3

Humanities - 3 Credits Required
(Select the following course)
PHI 2604   Crit Think/Ethics   3

Behavioral Science/Social Environment - 3 Credits Required
(Select the following course)
PPE 1005   Psy of Personal Eff   3

Mathematics/Science - 3 Credits Required
(Select the following course)
MAC 1105   College Algebra   3

Computer Competency
By the 16th earned college level credit (excluding EAP and college preparatory courses), a student **must** take the Computer Competency test and **pass**
or
By the 31st earned college level credit (excluding EAP and college preparatory courses), a student must **pass** CGS 1060, an equivalent continuing education **or** vocational credit course or retest with a **passing** score on the Computer Competency test

Total credits required for
Associate in Science degree is 68.

Computer Information Systems Analysis
Associate in Science

This program provides an opportunity to establish a basic foundation in computer programming for employment in commercial, industrial, scientific, and government institutions. Graduates are prepared for starting positions as applications programmers, network administators, or pc application specialists. Associate in Arts degree programs are available to the student planning to transfer to a senior institution after graduation. Please contact the Computer Information Systems Department on any one of the campuses for advice concerning course selection.

Course		Course Title	Cr

Major Course Requirements - 25 Credits Required
(Select from the following courses)

ACG	2021	Financial Accounting	3
CIS	2321	Intro to Syst Anal/Design	3
CGS	1060	Intro to Microcomp Usage	4
CGS	1541	Database Applications	4
COP	1170	Intro to Program/BASIC	4
COP	1220	Intro to Programming/"C"	4
QMB	2100	Business Statistics	3
or			
STA	2023	Statistical Methods	3

Complete the requirements for one of the following areas of concentration

A. Computer Programmer-Visual Basic Emphasis - 23 Credits Req.
(Select the following courses)

COP	2171	Adv Prog Concept Basic	4
COP	2333	Visual Basic 3	4
COP	2700	Database Appl Program	4

Choose 11 credits of additional courses under your advisor's guidance.

B. Computer Programmer-Visual C++ Emphasis - 23 Credits Req.
(Select the following courses)

CEN	1511	Networking Technologies	4
CGS	2405	Intermediate Prog In C	4
COP	2334	Obj Oriented Prog C++	4
COP	2400	Microcomp Assembly Lang	4
COP	2700	Database Appl Program	5

Choose 2 credits of additional courses under your advisor's guidance.

C. Mainframe Programmer - 23 Credits Req.
(Select the following courses)

COP	1120	COBOL	4
COP	1340	Oper Syst OSJCL	4
COP	2122	Adv COBOL On-Line Apl	4
COP	2123	CICS Com Lev Prog COBOL	4
COP	2401	ASSEMBLER Language	4

Choose 3 credits of additional courses under your advisor's guidance.

D. Microcomputer Applications Specialist - 23 Credits Req.
(Select the following courses)

CGS	1501	Microcomp Wordproc	4
CGS	1511	Microcomp Spreadsheets	4
CGS	1560	Using Microcomp Oper Sys	4
COP	2700	Application Prog	4

Choose 7 credits of additional courses under your advisor's guidance.

E. Midrange Programmer-AS/400 Programming - 23 Credits Req.
(Select the following courses)

CIS	2400	Op Sys Mgt/Mini-Comp Sys	4
COP	2567	AS/400 Control Lang	4

Complete 8 credits of COBOL or 8 credits of RPG

COP	1120	COBOL	4
and			
COP	2122	Adv COBOL On-Line Apl	4
or			
COP	1160	RPG With Business Appl	4
and			
COP	2162	Adv RPG III/AS400	4

Choose 7 credits of additional courses under your advisor's guidance.

F. Network Specialist - 23 Credits Req.
(Select the following courses)

CEN	1301	Support WIN 2000 Prof	4
CEN	1304	Support WIN 2000 Server	4
CEN	2305	Sup WIN 2000 Net Infrastrct	4
CEN	2306	Implemnt WIN Dir Serv	4
CEN	2321	Design WIN 2000 Dir Serv	4

Choose 3 credits of additional courses under your advisor's guidance.

G. Database Administration – 12 Credits Req.
(Select the following courses)

CGS	1546	Database Adminstration	4
CGS	2547	Database Implementation	4
CGS	2548	Adv Database Programming	4

Choose 11 credits of additional courses under your advisor's guidance.

H. Novell Specialist – 24 Credits Req.
(Select the following courses)

CDA	1500	Novell Networking Tech	4
CDA	1524	Novell System Admin	4
CDA	1527	Novell Design & Implement	4
CDA	2403	Novell Service & Support	4
CDA	2520	Novell Adv Administration	4
CDA	2529	Novell Integrating NT/2000	4

I. Oracle Database Developer Concentration – 12 Credits Req.
(Select the following courses)

COP	2745	Programm PL/SQL in Oracle	4
COP	2746	Intro Oracle Database Appl	4
COP	2747	Intermed Oracle Datbs Appl	4
COP	2748	Oracle Report Building	4

J. Oracle Database Administration Concentration – 12 Credits Req. (25053)
(Select the following courses)

COP	2740	Intro Oracle: SQL & PL/SQL	4
COP	2741	Intro Oracle Datbse Admin	4
COP	2742	Intmd Oracle Datbse Admin	4
COP	2744	Oracle Datbse Perform Tun	4

Electives – 2-11 Credits Required
(Select from the following courses EXCEPT THOSE IDENTIFIED FOR YOUR AREA OF CONCENTRATION):

ACG	2021l	Financial Acct Lab	1
ACG	2071	Managerial Acct	3
ACG	2071l	Managerial Acct Lab	1
CAP	1700	Intro Comp Graph Prog	4
CDA	1522	Microcomp Networking	4
CDA	1526	Global Networking	4
CDA	2524	Adv Microcomp Netwrk	4
CEN	2425	Adv Windows NT Admin	4
CET	1171	Microcomp Serv/Maint 1	4
CGS	1558	Internet Working TCP/IP	4
or			
CGS	1568	Supporting Windows	4
CGS	1580	Microcomp Desktop Pub	4
CGS	1751	Network Syst Mgmt	4
CGS	1871	Intro to Multimedia	4
CIS	1000	Intro to Data Process	4
COP	1210	Intro to PASCAL	4
COP	1220	Intro to Prog in "C"	4
COP	2333	Visual BASIC 3	4
COP	2334	Obj Oriented Prog in C++	4
COP	2704	AS/400 Database Mgmt	4
MTB	1103	Business Mathematics	3
QMB	2100L	Statistics Laboratory	1

Communications - 3 Credits Required
(Select the following course)

ENC	1101	English Comp 1	3

Oral Communications - 3 Credits Required
(Select the following course)

SPC	1026	Fund of Speech Comm	3

Humanities - 3 Credits Required
(Select the following course)

PHI	2604	Crit Think/Ethics	3

Behavioral Science/Social Environment - 3 Credits Required
(Select the following course)

PPE	1005	Psy of Personal Effect	3

Mathematics/Science - 3 Credits Required
(Select one of the following courses)

MAC	1105	College Algebra	3

Computer Competency
By the 16th earned college level credit (excluding EAP and college preparatory courses), a student **must** take the Computer Competency test and **pass**
or
By the 31st earned college level credit (excluding EAP and college preparatory courses), a student must **pass** CGS 1060, an equivalent continuing education **or** vocational credit course or retest with a **passing** score on the Computer Competency test

Total credits required for Associate in Science degree is 63.

Court Reporting Technology
Associate in Science

The Court Reporting Technology program provides training for students who desire to enter the field of court reporting. Court reporters play an important role in the judicial process by providing an official reocrd of court proceedings. They are employed by the court or work on a freelance basis and earn an excellent salary. Upon successful completion of the prescribed program of study, the student will earn an Associate in Science degree.

Course		Course Title	Cr

Major Course Requirements - 58 Credits Required
(Select the following courses)

Hsc	2531	Medical Terminology	3
OST	1110	Doc Format/Typewriting 2	3
OST	1110L	Doc Format Type 2 Lab	1
OST	1330	Business English	3
OST	1601	Machine Transcription 1	3
OST	1741	Begin Word Processing	3
OST	1741L	Beg Word Processing Lab	1
OST	2221	Machine Shorthand 1	4
OST	2222	Machine Shorthand 2	4
OST	2223	Machine Shorthand 3	3
OST	2224	Machine Shorthand 4	3
OST	2225	Machine Shorthand 5	3
OST	2226	Machine Shorthand 6	3
OST	2231	Comp Aided Transcript 1	3
OST	2232	Comp Aided Transcript 2	3
OST	2335	Business Writing	3
OST	2251	Legal Dictation&Tran	3
OST	2256	Med Dictation &Tran	3
OST	2436	Court Proc & Law Terms	3
OST	2602	Machine Transcription 2	3

Communications - 3 Credits Required
(Select the following course)

ENC	1101	English Comp 1	3

Oral Communications - 3 Credits Required
(Select the following course)

SPC	1026	Fund of Speech Comm	3

Humanities - 3 Credits Required
(Select the following course)

PHI	2604	Crit Think/Ethics	3

**Behavioral Science/Social
Environmen - 3 Credits Required**
(Select the following course)

PPE 1005	Psy of Personal Effect	3

Mathematics/Science - 3 Credits Required
(Select the following course)

QMB 2100	Basic Business Statistics	3

Computer Competency

By the 16th earned college level credit (excluding EAP and college preparatory courses), a student **must** take the Computer Competency test and **pass**
or
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*Total credits required for
Associate in Science degree is 73.*

Additional Information:

For advanced placement in OST1110, students must complete OST1100 or one year of high school type-writing with a minimum speed of 35 wpm or Permission of the Department Chairperson.

Criminal Justice Technology: Basic Law Enforcement Associate in Science

The Criminal Justice Technology: Basic Law Enforcement program is designed to provide competency for the diverse field of criminal justice. Upon successful completion of the Florida Department of Law Enforcement State Certification Exam for Law Enforcement, the student may seek the Associate in Science degree in Criminal Justice Technology.

Course	Course Title	Cr
Major Course Requirements –		
(A Selection) - 21 Credits Required		
(Select from the following courses)		
CCJ 1010	Intro to Criminology	3
CCJ 1020	Intro to Criminal Justice	3
CCJ 1300	Intro to Corrections	3
CCJ 1330	Parole-Probation	3
CCJ 2250	Constitutional Law	3
CCJ 2500	Juvenile Delinquency	3
CCJ 2650	Narcotic/Danger Subs	3
Major Course Requirements –		
(B Selection) - 9 Credits Required		
(Select from the following courses)		
* CCJ 1193	Com/Hum Rel Crim Jus Prac	3
or		
* CCJ 2220	Crim Proc & Evidence 1	3
* CCJ 2230	Crim Proc & Evidence	3
* CJD 2724	Law Enf Invest Police Ofc	3
Electives – (A Selection) - 19 Credits Required		
(Select from the following courses)		
CCJ 1949	Co-Op Work Exp 1: CCJ	3
CCJ 2122	Crim Just & Community	1-3
CCJ 2400	Police Org & Admin	3
CCJ 2430	Manage Of Police Funct	1-3
CCJ 2482	Crim Ethics & Professional	3
CCJ 2632	Comparative Legal Syst	3
CCJ 2940	Admin Just Field Serv Prog	3
CCJ 2949	Co-Op Work Exper 2: CCJ	3
CJD 2310	Police-Corr Supervision	3
CJD 2320	Police Mid-Management	3
* CJD 2702	Crim Justice Comm	3
* CJD 2720	Law Enforce Legal 3	2
* CJD 2721	Law Enforce Patrol	3
* CJD 2722	Law Enforce Traffic	3
* CJD 2723	Vehicle Operations	2
* CJT 1330	Def Tact Skl Crim Just Prc	3
* CJT 1362	First Resp Public Saf Ofc	3
* CJT 1800	Intro Sec/Loss Prevention	3
* CJT 2310	Law Enforce Equip & Tech	3

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* Courses are for Basic Law Enforcement (BLE) Academy students only.

Communications - 3 Credits Required
(Select the following course)

ENC 1101	English Comp 1	3

Oral Communications - 3 Credits Required
(Select the following course)

SPC 1026	Fund of Speech Comm	3

Humanities- 3 Credits Required
(Select the following course)

PHI 2604	Crit Think/Ethics	3

**Behavioral Science/Social
Environment - 3 Credits Required**
(Select the following course)

PPE 1005	Psy of Personal Eff	3

Mathematics/Science - 3 Credits Required
(Select the following course)

PSC 1515	Energy in Nat Envir	3

Computer Competency

By the 16th earned college level credit (excluding EAP and college preparatory courses), a student **must** take the Computer Competency test and **pass**
or
By the 31st earned college level credit (excluding EAP and college preparatory courses), a student must **pass** CGS 1060, an equivalent continuing education **or** vocational credit course or retest with a **passing** score on the Computer Competency test

*Total credits required for
Associate in Science degree is 64.*

Important Note:

There is only one A.S. program in Criminal Justice Technology. Students may select one of the three options available (BLE, Generic, Corrections), but the degree is awarded only once.

Criminal Justice Technology: Corrections Associate in Science

The Criminal Justice Technolgy program is designed to provide competencies for the diverse field of criminal justice. Upon successful completion of the Florida Department of Law Enforcement State Certification Exam for Corrections, the student may seek the Associate in Science degree in Criminal Justice Technology.

Course	Course Title	Cr
Major Course Requirements –		
(A Selection) - 21 Credits Required		
(Select from the following courses)		
CCJ 1010	Intro to Criminology	3
CCJ 1020	Intro to Criminal Justice	3
CCJ 1300	Intro to Corrections	3
CCJ 1330	Parole-Probation	3
CCJ 2250	Constitutional Law	3
CCJ 2500	Juvenile Delinquency	3
CCJ 2650	Drugs and Society	3
Major Course Requirements –		
(B Selection) - 9 Credits Required		
(Select from the following courses:)		
* CCJ 1193	Com/Hum Rel Crim Jus Prac	3
* CCJ 2220	Crim Proc & Evidence 1	3
* CJD 2740	Interpers Skills Corr Ofc	3
* CJD 2742	Correctional Operations	3
* Courses are for Correction Academy students only.		
Electives – (A Selection) - 19 Credits Required		
(Select from the following courses)		
CCJ 1949	Co-Op Work Exp 1: CCJ	3
CCJ 2122	Crim Just & Community	1-3
CCJ 2400	Police Org & Admin	3
CCJ 2430	Manage of Police Funct	1-3
CCJ 2482	Crim Ethics & Profession	3
CCJ 2632	Comparative Legal Syst	3
CCJ 2940	Admin Just Field Serv Prog	3
CCJ 2949	Co-Op Work Exper 2: CCJ	3
CJD 2310	Police-Corr Supervision	3

CJD 2320	Police Mid-Management	3
* CJD 2702	Crim Justice Communica	3
* CJD 2741	Emergency Preparedness	3
* CJD 2771	Crim Just Legal 2	1
* CJT 1330	Def Tact Skil Crim Just Prac	3
* CJT 1362	First Resp Public Saf Ofc	3
CJT 1800	Intro Sec/Loss Prevention	3
* CJT 2310	Law Enforce Equip & Tech	3

* Courses are for Correction Academy students only.

Communications - 3 Credits Required
(Select the following course)

ENC 1101	English Comp 1	3

Oral Communications - 3 Credits Required
(Select the following course)

SPC 1026	Fund of Speech Comm	3

Humanities - 3 Credits Required
(Select the following course)

PHI 2604	Crit Think/Ethics	3

**Behavioral Science/Social
Environment - 3 Credits Required**
(Select the following course)

PPE 1005	Psy of Personal Eff	3

Mathematics/Science - 3 Credits Required
(Select the following course)

PSC 1515	Energy in Nat Envir	3

Computer Competency

By the 16th earned college level credit (excluding EAP and college preparatory courses), a student **must** take the Computer Competency test and **pass**
or
By the 31st earned college level credit (excluding EAP and college preparatory courses), a student must **pass** CGS 1060, an equivalent continuing education **or** vocational credit course or retest with a **passing** score on the Computer Competency test

*Total credits required for
Associate in Science degree is 64.*

Important Note:

There is only one A.S. program in Criminal Justice Technology. Students may select one of the three options available (BLE, Generic, Corrections), but the degree is awarded only once.

Criminal Justice Technology: Generic Associate in Science

Upon completion of the Criminal Justice Technology program, the student will be eligible for the Associate in Science degree. The A.S. degree opens up entry-lelvel non-sworn positions in local, state and federal agencies, i.e., juvenile justice, private security, law enforcement, corrections, probation and parole, detention centers and community-based intervention programs.

Course	Course Title	Cr
Major Course Requirements –		
30 Credits Required		
(Select from the following courses)		
CCJ 1010	Intro to Criminology	3
CCJ 1020	Intro to Criminal Justice	3
CCJ 1191	Hum Behav Crim Just	3
CCJ 1210	Criminal Law	3
CCJ 1300	Intro to Corrections	3
CCJ 1330	Parole and Probation	3
CCJ 2250	Constitutional Law	3
CCJ 2500	Juvenile Delinquency	3
CCJ 2650	Drugs and Society	3
CJT 2100	Criminal Investigations	3
Electives – 19 Credits Required		
(Select from the following courses)		
CCJ 1102	Career Expl/Crim Just	1
CCJ 2122	Crim Just & Community	3
CCJ 2400	Police Org & Admin	3
CCJ 2430	Manage of Police Funct	3
CCJ 2482	Crim Ethics & Profession	3
CCJ 2940	Admin Just Field Serv Prog	3
ECO 2013	Prin of Econ/Macro	3

OST	1141	Keyboard for Comp	3
PPE	2001	Dynamics of Behavior	3
POS	2041	American Fed Govt	3
POS	2112	State/Local Govt in Amer	3
PSY	2012	Intro to Psychology	3
SOP	2002	Social Psychology	3
SPC	2600	Intro to Speech Comm	3
SPN	1120	Elem Spanish 1	4
SPN	1121	Elem Spanish 2	4
SYG	2000	Intro to Sociology	3
SYG	2010	Social Problems	3
SYG	2430	Marriage & the Family	3

Communications - 3 Credits Required
(Select the following course)

ENC	1101	English Comp 1	3

Oral Communications - 3 Credits Required
(Select the following course)

SPC	1026	Fund of Speech Comm	3

Humanities - 3 Credits Required
(Select the following course)

PHI	2604	Crit Think/Ethics	3

Behavioral Science/Social Environment - 3 Credits Required
(Select the following course)

PPE	1005	Psy of Personal Eff	3

Mathematics/Science - 3 Credits Required
(Select the following course)

PSC	1515	Energy in Nat Envir	3

Computer Competency

By the 16th earned college level credit (excluding EAP and college preparatory courses), a student **must** take the Computer Competency test and **pass**
or
By the 31st earned college level credit (excluding EAP and college preparatory courses), a student must **pass** CGS 1060, an equivalent continuing education **or** vocational credit course or retest with a **passing** score on the Computer Competency test

*Total credits required for
Associate in Science degree is 64.*

Important Note:

There is only one A.S. program in Criminal Justice Technology. Students may select one of the three options available (BLE, Generic, Corrections), but the degree is awarded only once.

Dietetic Technician
Associate in Science

The Dietetic Technician program is designed to provide technical competency for a career in dietetics in health care facilities. This program meets the requirements of the American Dietetic Association for Education of the Dietetic Technician. Supervised field experience is required in each of the three semesters to complement classroom instruction.

Course		Course Title	Cr

**Major Course Requirements-
49 Credits Required**
(Select the following courses)

DIE	1401	Nutrition Ed/Intervi	3
DIE	1350	Diet Clinic Pract 1	6
DIE	2100	Dietary Dept Operat	3
DIE	2124	Dietary Mgt Operatns	4
DIE	2211	Intro/Diet Therapy	3
DIE	2221	App/Diet In Disease	3
DIE	2500	Dietetic Seminar	2
DIE	2533	Diet Clinic Pract 2	6
DIE	2534	Diet Clinic Pract 3	6
FSS	1115	Food Pur/Menu Design	3
FSS	1202C	Elementary Food Prep	4
HUN	1201	Essentials/Nutrition	3
MTB	1103	Business Mathematics	3

Communications – 3 Credits Required
(Select the following course)

ENC	1101	English Comp 1	3

Oral Communications - 3 Credits Required
(Select the following course)

SPC	1026	Fund of Speech Comm	3

Humanities - 3 Credits Required
(Select the following course)

PHI	2604	Crit Think/Ethics	3

Behavioral Science/Social Environment - 3 Credits Required
(Select the following course)

PPE	1005	Psy of Personal Effect	3

Mathematics/Science - 3 Credits Required
(Select one of the following courses)

PSC	1515	Energy/Nat Environ	3
or			
BSC	1008	Gen Education Biology	3

Computer Competency

By the 16th earned college level credit (excluding EAP and college preparatory courses), a student **must** take the Computer Competency test and **pass**
or
By the 31st earned college level credit (excluding EAP and college preparatory courses), a student must **pass** CGS 1060, an equivalent continuing education **or** vocational credit course or retest with a **passing** score on the Computer Competency test

*Total credits required for
Associate in Science degree is 64.*

Additional Information:

For enrollment in clinic courses, student contract must be signed.

Drafting & Design Technology
Associate in Science

The Drafting and Design Technology is a highly technical program to adequately equip the student with the ability and skills necessary for acquisitions and advancement in the engineering technical aid and professional drafting fields. Specialized areas within the program include such specifics as structural steel drafting, welding, piping, technical illustration, and computer aided drafting and design.

Course		Course Title	Cr

**Major Course Requirements -
42 Credits Required**
(Select the following courses)

EGS	1111C	Engineering Graphics	5
EGS	2020	Engin Measure & Comp	3
EGS	2033	Civilization & Eingineer 1	3
ETD	1200	Technical Draw 1	4
ETD	1330	Comp Aided Draw/Des	3
ETD	1542	Structural Drafting	4
ETD	1801	Technical Illustration	4
ETD	2215	Tech Drawing 2	5
ETD	2350	Computer Graphics	3
ETD	2400	Tool Mach Des	5
SUR	1001C	Construction Surveying	3

Electives - 5 Credits Required
*See academic advisor for approval of electives not already taken with the following prefixes:
EGS, ETC, ETD, ETI, ETM, SUR*

Communications - 3 Credits Required
(Select the following course)

ENC	1101	English Comp 1	3

Oral Communications - 3 Credits Required
(Select the following course)

SPC	1026	Fund of Speech Comm	3

Humanities- 3 Credits Required
(Select the following course)

PHI	2604	Crit Think/Ethics	3

Behavioral Science/Social Environment - 3 Credits Required
(Select the following course)

PPE	1005	Psy of Personal Effect	3

Mathematics/Science - 3 Credits Required
(Select the following course)

MAC	1105	College Algebra	3

Computer Competency

By the 16th earned college level credit (excluding EAP and college preparatory courses), a student **must** take the Computer Competency test and **pass**
or
By the 31st earned college level credit (excluding EAP and college preparatory courses), a student must **pass** CGS 1060, an equivalent continuing education **or** vocational credit course or retest with a **passing** score on the Computer Competency test

*Total credits required for
Associate in Science degree is 62.*

Electronics Engineering Technology
Associate In Science

* This program transfers to four-year institutions. See department advisor for information *

The Electronics Engineering Technology program prepares students for work as technicians in various fields of electronics technology. No previous experience is required to enter. Courses offered cover basic and advanced electrical circuits, semi-conductors, integrated circuits, pulse circuits, digital computer circuits, electrical machinery, communication systems, and industrial control. Theory and laboratory experience is provided.

Course		Course Title	Cr

**Major Course Requirements-
50 Credits Required**
(Select the following courses)

CET	2114C	Fund of Dig Circ	4
CET	2123C	Microprocessors	4
EET	1015C	Direct Current Circ	4
EET	1025C	Alter Current Circ	4
EET	1037	Elec Circuit Simulation	3
EET	1082	Intro to Electronics	3
EET	1141C	Semiconductor Fund	4
EET	2101C	Electronic Devices	4
EET	2305C	Electronic Comm	4
EET	2351	Digital & Data Comm	4
EGS	1220C	Basic Comp Lang	2
EGS	2033	Civilization & Eng 1	3
MTB	1322	Technical Math 2	3
PHY	2053	Physics w/o Calculus	3
PHy	2053L	Physics w/o Calculus Lab	1

Electives - 3 Credits Required
(Select from the following courses)

CET	1171	Micro-Comp Serv & Maint 1	3
CET	1172C	Micro-Comp Serv & Maint 2	3
CET	2142C	Adv Digital Circuit	4
EET	1142C	Transistor Circuits	4
EET	1949	Co-Op Work Experience	3
EET	2949	Co-Op Work Experience	3
EST	2122C	Electro-Mechanic Devices	4
ETE	2250C	Instruments 1	3

Communications - 3 Credits Required
(Select the following course)

ENC	1101	English Comp 1	3

Oral Communications - 3 Credits Required
(Select the following course)

SPC	1026	Fund of Speech Comm	3

Humanities - 3 Credits Required
(Select the following course)

PHI	2604	Crit Think/Ethics	3

Behavioral Science/Social Environment - 3 Credits Required
(Select the following course)

PPE	1005	Psy of Personal Effect	3

Mathematics/Science - 3 Credits Required
(Select the following course)

MTB	1321	Technical Math 1	3

Computer Competency
By the 16th earned college level credit (excluding EAP and college preparatory courses), a student **must** take the Computer Competency test and **pass**
or
By the 31st earned college level credit (excluding EAP and college preparatory courses), a student must **pass** CGS 1060, an equivalent continuing education **or** vocational credit course or retest with a **passing** score on the Computer Competency test

*Total credits required for
Associate in Science degree is 68.*

Environmental Science Technology
Associate in Science

This program is designed to train students in proper chemical management in accordance with regulatory process. Students will be able to function successfully in industrial and government environments. Five options are available: emergency services, environmental service technician, safety compliance-industry, safety compliance-health, and air, water and rain runoff.

Course		Course Title	Cr

**Major Course Requirements -
22 Credits Required**
(Select the following courses)

EVR	1015	Hazardous Mat & Environ	3
EVR	1260	Intr Eco/Urban Indus Poll	3
EVR	1633	Haz Mat Emer	4
EVR	1640	Haz Mat Reg 1	3
EVR	1802	Industrial Processes	3
EVR	1895	Environ Pollutants	3
EVR	2805	Haz Mat Hlth Effects	3

Electives - 27 Credits Required
(Select from the following courses)

BSC	2085	Anat & Physiology 1	3
BSC	2085L	Anat & Physiology Lab 1	1
BSC	2086	Anat & Physiology 2	3
BSC	2086L	Anat & Physiology Lab 2	1
CHM	2205	Sur Organic & Biochem	3
CHM	2205L	Sur Organic & Biochem Lab	2
EVR	1010	Environmental Compl	3
EVR	1030	Soil & Grnd Wtr Monting	3
EVR	1215	Open Channel Flow Meas	3
EVR	1230	Air Pollution	3
EVR	1260	Intro to Ecol & Urban Ind	3
EVR	1635	Haz Comm Standard	3
EVR	1639	Haz Mat Trans Strg & Disp	3
EVR	1655	Haz Mat Rec Inc & Disp	3
EVR	1802	Industrial Processes	3
EVR	1809	Industrial Haz Waste	3
EVR	1930	Environmental Seminar	1-3
EVR	2613	Haz Mat Emer Resp 2	4
EVR	2625	Infect & Nuclear Mat	3
EVR	2630	Haz Matrls Risk Anal	3
EVR	2680	Haz Mat Shipping & Packing	3
EVR	2695	Adv Haz Matrls Anal	4
EVR	2808	Haz Mat Injuries	3
EVR	2820	Maz Mat Corp Prog Devel	3
EVR	2840	Haz Mat Emer Resp 3	4
EVR	2890	Instru Monitor & Smplng	3
PCB	2340C	Field Biology	3

Communications - 3 Credits Required
(Select the following course)

ENC	1101	English Comp 1	3

Oral Communications - 3 Credits Required
(Select the following course)

SPC	1026	Fund of Speech Comm	3

Humanities - 3 Credits Required
(Select the following course)

PHI	2604	Crit Think/Ethics	3

Behavioral Science/Social Environment - 3 Credits Required
(Select the following course)

PPE	1005	Psy of Personal Effect	3

Mathematics/Science - 3 Credits Required
(Select the following course)

MAC	1105	College Algebra	3
or			
PSC	1515	Energy in Nat Environ	3

Computer Competency
By the 16th earned college level credit (excluding EAP and college preparatory courses), a student **must** take the Computer Competency test and **pass**
or
By the 31st earned college level credit (excluding EAP and college preparatory courses), a student must **pass** CGS 1060, an equivalent continuing education **or** vocational credit course or retest with a **passing** score on the Computer Competency test

*Total credits required for
Associate in Science degree is 64.*

Film Production Technology
Associate in Science

The Film Production Technology program prepares students to learn all aspects of the film industry through hands-on, production-oriented classes both in the studio and on location. Students can receive training in cinematography, lighting, audio recording and editing. High-end equipment is used by students to shoot and edit sound 16mm film. Students are also exposed to video and the business aspects of the industry.

Course		Course Title	Cr

**Major Course Requirements-
43 Credits Required**
(Select the following courses)

FIL	1100	Film Writing	3
FIL	1270	Film Production 1	4
FIL	1276	Film Production 2	4
FIL	1281	TV/Film Computer Appl	3
FIL	1400	History of Film	3
FIL	1600	Business Film/Video	2
FIL	2102	Screenwrit/Storybrd 1	3
FIL	2211	Film Edit/Post Prod	2
FIL	2220	Film Direction	3
FIL	2251	Film Camera & Light	2
FIL	2277	Film Production 3	4
FIL	2601	Film Bus Market	3
FIL	2931	Careers in Film/TV	1
VIC	1000	Visual Communication	3
VIC	1202	TV/Film Arts & Graph	3

Electives - 6 Credits Required
(Select from the following courses)

FIL	1406	Amer Indep Cinema	3
FIL	2214	Film/Video Portfolio Prep	1
FIL	2240	Film Pre-Production	2
FIL	2618	Adv Editing (Digital)	3

FIL	2278	Film Workshop	3
FIL	2945	Internship	4
VIC	2203	Videographics & Animat 1	4
VIC	2204	Video Graphics & Animat 2	4

Communications - 3 Credits Required
(Select the following course)

ENC	1101	English Comp 1	3

Oral Communications - 3 Credits Required
(Select the following course)

SPC	1026	Fund of Speech Comm	3

Humanities - 3 Credits Required
(Select the following course)

PHI	2604	Crit Think/Ethics	3

**Behavioral Science/Social
Environment - 3 Credits Required**
(Select the following course)

PPE	1005	Psy of Personal Effect	3

Mathematics/Science - 3 Credits Required
(Select one of the following courses)

BSC	2250	Nat Hist of South Florida	3
or			
MET	1010	Intro to Weather	3

Computer Competency
By the 16th earned college level credit (excluding EAP and college preparatory courses), a student **must** take the Computer Competency test and **pass**
or
By the 31st earned college level credit (excluding EAP and college preparatory courses), a student must **pass** CGS 1060, an equivalent continuing education **or** vocational credit course or retest with a **passing** score on the Computer Competency test

*Total credits required for
Associate in Science degree is 64.*

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*Financial Services
Associate in Science*

The Financial Services program is designed to meet the needs of students who plan to seek employment with commercial banks, savings and loan associations, stock brokerage companies and related financial organizations. It is also planned for students who are currently employed and desire advancement to positions of greater responsibility with financial organizations. This program meets most of the requirements for the American Institute of Banking diploma/certificates. The Associate in Arts degree is also available to the student planning to transfer to a senior institution after graduation from M-DCC. Consult an advisor about which additional courses are included in that program.

Course		Course Title	Cr

**Major Course Requirements -
11 Credits Required**
(Select the following courses)

ACG	2001	Prin of Accounting 1	3
ACG	2001L	Prin of Acct 1 Lab	1
ACG	2011	Prin of Accounting 2	3
ACG	2011L	Prin of Acct 2 Lab	1
ECO	2013	Prin/Economics-Macro	3

Students can take ACG2001 and ACG2011 or ACG2021. If you take ACG2021, See Business advisor for additional credits needed.

Banking Specialization – 30 Credits Req.
(Select the following courses)

BAN	1004	Principles/Banking	3
BAN	1013	Negot Instru/Pay Mec	3
BAN	1231	Intro/Commerc Lend	3
BAN	1240	Installment Credit	3
BAN	1800	Law & Banking	3
BAN	2210	Anal Fin Statements	3
BAN	2253	Res Mort Lend	3
BAN	2501	Money And Banking	3
BAN	2511	Marketing/Bankers	3
BUL	2241	Business Law 1	3

Students completing this option, must complete 8 credits of electives

**Financial Management Specialization -
31 Credits Req.**
(Select the following courses)

ACG	2071	Managerial Accounting	3
ACG	2071L	Man Accounting Lab	1

BAN	1004	Principles/Banking	3
BUL	2241	Business Law 1	3
or			
BUL	2130	Legal Environment	3
ECO	2023	Prin/Economics-Micro	3
FIN	2000	Survey of Finance	3
FIN	2010	Invest-Stocks/Bonds	3
FIN	2100	Personal Finance	3
GEB	1011	Prin of Business	3
MAN	2021	Prin of Management	3
MAR	1011	Prin of Marketing	3

Students completing this option, must complete 7 credits of electives

**Mortgage Finance Specialization –
31 Credits Req.**
(Select the following courses)

BAN	1004	Principles/Banking	3
BAN	2253	Res Mortgage Lending	3
BRC	1059	Diversity Aware/Cust Serv	3
BRC	1602	Tech Appl in Mortgage Fin	3
BRC	2266	Afford Housing & Comm	3
BRC	2267	Fair Housing & Fair Lend	3
BRC	2268	Mort Loan Serv/Qual Cntrl	3
BRC	2941	Field Exp in Mortgage Fin	3
MKA	1021	Fund of Selling	3
REE	2040	Real Estate Prin & Prac 1	4

Students completing this option, must complete 7 credits of electives

Electives – 7-8 Credits Required
(Select from the following courses)

ACG	2070	Financial Statement Anal	3
ACG	2071	Managerial Accounting	3
ACG	2071L	Man Accounting Lab	1
ACG	2450	Microcomp in Accounting	3
BAN	1155	Internatnl Bank AIB	3
BAN	1156	Letters of Credit	3
BAN	1231	Intro/Comm Lend	3
BAN	1241	Bank Cards	3
BAN	1400	Trust Functions/Serv	3
BAN	1782	Bank Investments	3
BAN	1920	Workshop	1-3
BAN	2135	Bank Accounting	3
BAN	2210	Analyz Finan Statm	3
BAN	2253	Resid Mort Lend	3
BAN	2746	Bank Control/Audit	3
BAN	2784	Trust Management	3
BAN	2920	Workshop	1-3
BRC	1059	Divers Aware Cust Serv	3
BRC	1602	Tech Appl In Mtg Fin	3
BRC	2266	Afford Housing/Comm	3
BRC	2267	Fair Hous/Fair Lending	3
BRC	2268	Mtg Loan Serv/Qual Cntrl	3
BRC	2941	Fld Exp In Mtg Fin	3
BUL	2242	Business Law 2	3
CGS	1060	Intro to Microcom Usage	4
ECO	2023	Prin/Economics-Micro	3
FIN	2000	Survey of Finance	3
FIN	2010	Investment-Stocks/Bonds	3
FIN	2100	Personal Finance	1-3
MNA	1345	Effective Supervisio	3
MTB	1103	Business Mathematics	3
QMB	2100L	Basic Bus Stat Lab	1

Communications - 3 Credits Required
(Select the following course)

ENC	1101	English Comp 1	3

Oral Communications - 3 Credits Required
(Select the following course)

SPC	1026	Fund of Speech Comm	3

Humanities - 3 Credits Required
(Select the following course)

PHI	2604	Crit Think/Ethics	3

**Behavioral Science/Social
Environment - 3 Credits Required**
(Select the following course)

PPE	1005	Psy of Personal Effect	3

Mathematics/Science - 3 Credits Required
(Select the following course)

QMB	2100	Basic Business Statistics	3

Computer Competency
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cation **or** vocational credit course or retest with a **passing** score on the Computer Competency test

*Total credits required for
Associate in Science degree is 64.*

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*Fire Science Technology
Associate in Science*

The Fire Science Technology program prepares students for a wide variety of technical positions in the area of fire prevention and control. Students will learn about safety factors, building code requirements, national and local standards, hazardous materials, supervision and management skills, hydraulics, fire apparatus, tactics and strategy. The program has been designed to meet both the Florida Fire Fighters Pre-Officer Requirements and the NFPA 1021 Fire Officer Level Two Requirements.

Course		Course Title	Cr

**Major Course Requirements -21 Credits
Required**
(Select the following courses)

EMS	1119	Emergency Med Tech	3
FFP	1000	Fire Protection	3
FFP	1200	Fire Prevention	3
FFP	1130	Supv Leader/Officers	3
FFP	2110	Fire Department Mgt	3
FFP	2150	Fire Service Instr	3
FFP	2410	Fire Fight Tact/Stra	3

**Emergency Medical Sciences -
7 Credits Required**

EMS	1119	Emergency Med Tech	3
EMS	1119L	Emergency Med Tech Lab	4
or			

Environmental Sciences - 9 Credits Required
(Select courses from the following)

EVR	1633	Emergency Response 1	4
EVR	1639	Trans Storage & Disposal	3
EVR	1802	Industrial Processes	3
EVR	2613	Emergency Response 2	4
EVR	2625	Infectious & Nuclear Mat	3
EVR	2630	Risk Analysis	3
EVR	2805	Haz Mat Health Effects	3
EVR	2808	Haz Mat Injuries	3
EVR	2840	Emergency Response 3	3
EVR	2890	Instr Monitor & Sampling	3

Electives - 15-18 Total Credits Required
(Select courses from the following)

EMS	2274	Paramedic Lecture 1	6
FFP	1077	1st Respond Fire Ser	3
FFP	1530	Indus Fire Protect 1	2-3
FFP	2240	Municipal Fire Admin	3
FFP	2240	Arson Detection/Inve	3
FFP	2300	Fire/Building Codes	3
FFP	2315	Fire Inspector Prep	1-9
FFP	2320	Bldg Const For Fire Ser	3
FFP	2326	Blprnt Read/Plans Rev	3
FFP	2420	Command Tactics/Stra	3
FFP	2500	Hazardous Material 1	3
FFP	2501	Hazardous Material 2	3
FFP	2600	Fire Appar/Equipment	3
FFP	2620	Fire Dect/Sup System	3
FFP	2640	Fire Hydraulics/Equip	3
FFP	2666	Airpt/Aircf Fire Pro	3

Communications - 3 Credits Required
(Select the following course)

ENC	1101	English Comp 1	3

Oral Communications - 3 Credits Required
(Select the following course)

SPC	1026	Fund of Speech Comm	3

Humanities - 3 Credits Required
(Select the following course)

PHI	2604	Crit Think/Ethics	3

Behavioral Science/Social Environment - 3 Credits Required
(Select the following course)
PPE	1005	Psy of Personal Effect	3

Mathematics/Science - 3 Credits Required
(Select one of the following courses)
CHM	1033	Chem for Health Sci	3
or			
MAC	1105	College Algebra	3
or			
PSC	1515	Energy & Nat Environ	3

Computer Competency
By the 16th earned college level credit (excluding EAP and college preparatory courses), a student **must** take the Computer Competency test and **pass** *or*
By the 31st earned college level credit (excluding EAP and college preparatory courses), a student must **pass** CGS 1060, an equivalent continuing education **or** vocational credit course or retest with a **passing** score on the Computer Competency test

Total credits required for
Associate in Science degree is 60.

Funeral Services
Associate in Science

Students in the Funeral Services program are given a broad understanding of all phases of funeral home operations as well as the public health responsibilities of the funeral director and embalmer. This Funeral Service program is accredited by the American Board of Funeral Service Education, approved by the Florida State Board of Funeral Directors & Embalmers and the Funeral Service Boards of most states. Students who plan Funeral Service licensure in other states must register as student trainees with their respective state boards prior to enrollment at Miami-Dade Community College in the Funeral Service education curriculum.

Course		Course Title	Cr
Major Course Requirements - 57 Credits Required			
(Select the following courses)			
BUL	2130	Legal Environment	3
FSE	1000	Intro Funeral Serv	3
FSE	1080	Funeral Law	3
FSE	1105	Funeral Serv Chem	3
FSE	2060	Funeral Directing	3
FSE	2061	Thanatology	3
FSE	2100	Embalming 1	3
FSE	2100L	Embalming 1 Lab	2
FSE	2106	Funeral Serv Microbiology	3
FSE	2120	Restorative Art	3
FSE	2120L	Restorative Art Lab	1
FSE	2121	Funeral Serv Cosmetology	3
FSE	2140	Embalming 2	3
FSE	2140L	Embalming 2 Lab	2
FSE	2160	Pathology	4
FSE	2200	Funeral Home Acct	3
FSE	2201	Fnrl Hm Operation	3
FSE	2202	Funeral Serv Admin	3
FSE	2203	Funeral Home Appl	3
FSE	2931	Funrl Serv Pro Rev 1	1
FSE	2932	Funrl Serv Pro Rev 2	1
FSE	2944	Prof Practicum	1
or			
FSE	1204	Micro Comp Lit Fnrl Serv	1

Communications - 3 Credits Required
(Select the following course)
ENC	1101	English Comp 1	3

Oral Communications - 3 Credits Required
(Select the following course)
SPC	1026	Fund of Speech Comm	3

Humanities - 3 Credits Required
(Select the following course)
PHI	2604	Crit Think/Ethics	3

Behavioral Science/Social Environment - 3 Credits Required
(Select the following course)
PPE	1005	Psy of Personal Effect	3

Mathematics/Science - 3 Credits Required
(Select the following course)
BSC	1005	Functnl Human Anat	3

Computer Competency
By the 16th earned college level credit (excluding EAP and college preparatory courses), a student **must** take the Computer Competency test and **pass** *or*
By the 31st earned college level credit (excluding EAP and college preparatory courses), a student must **pass** CGS 1060, an equivalent continuing education **or** vocational credit course or retest with a **passing** score on the Computer Competency test

Total credits required for
Associate in Science degree is 72.

Graphic Arts Technology
Associate in Science

The Gaphic Arts Technology Associate in Science degree program is designed to give students a comprehensive background in the printing and publishing industry. This A.S. degree may transfer to upper division universities with a Bachelor's of Science degree in Graphic Arts or Graphic Communications. The degree will give students employability skills for the printing and publishing industry. Miami-Dade Community College's graphic communications department offers one of the most extensive electronic publishing teaching facilities in the United States. Students will have coursework on production workflow processes from the design concept to the finished printed product. Students will get hands-on experience with graphic design, estimating, color theory, electronic scanning, page makeup, imposition, electronic color retouching and presswork.

Course		Course Title	Cr
Major Course Requirements - 46 Credits Required			
(Select the following courses)			
GRA	1500	Intro to Graph Comm	3
GRA	1543C	Graphic Design 1	4
GRA	1571C	Intro to Graph Imaging	4
GRA	1600C	Offset Strip (Imposition)	4
GRA	1706C	Graphic Art Estim	3
GRA	2540C	Elec Publishing	4
GRA	2550C	Comp Assist Grph Design	4
GRA	2575C	Color Tech 1	4
GRA	2577C	Electronic Photoshop	4
GRA	2578C	Adv Elec Photoshop 2	4
GRA	2635C	Offset Presswork 1	4
GRA	2638C	Offset Presswork 2	4

Electives - 4 Credits Required			
(Select from the following courses)			
GEB	1011	Prin of Business	3
GRA	1949	Co-Op Work Experience	3
GRA	2560C	Digital Graphic Painting	4
GRA	2707C	Graph Arts Est 2	3
GRA	2820C	Prof Desktop Pub Media	4
GRA	2949	Co-Op Work Experience	3

Communications - 3 Credits Required
(Select the following course)
ENC	1101	English Comp 1	3

Oral Communications - 3 Credits Required
(Select the following course)
SPC	1026	Fund of Speech Comm	3

Humanities - 3 Credits Required
(Select the following course)
PHI	2604	Crit Think/Ethics	3

Behavioral Science/Social Environment - 3 Credits Required
(Select the following course)
PPE	1005	Psy of Personal Effect	3

Mathematics/Science - 3 Credits Required
(Select the following course)
MAC	1105	College Algebra	3

Computer Competency
By the 16th earned college level credit (excluding EAP and college preparatory courses), a student **must** take the Computer Competency test and **pass** *or*
By the 31st earned college level credit (excluding EAP and college preparatory courses), a student

must **pass** CGS 1060, an equivalent continuing education **or** vocational credit course or retest with a **passing** score on the Computer Competency test

Total credits required for Associate in Science degree is 64.

Graphic Design Technology
Associate in Science

The Graphic Design Technology program is designed to give creative students a rewarding and challenging career in the artistic field of printing, publishing, electronic communication and advertising. An art aptitude is required or supplemental classes may be taken. Miami-Dade Community College's graphic department offers one of the most extensive electronic publishing teaching facilities in the United States. This A.S. degree may transfer to upper division universities with a Bachelor's of Science degree in Graphic Design. This degree will give students employablity skills for the printing, publishing, electronic communication, design or advertising industries.

Course		Course Title	Cr

Major Course Requirements-
46 Credits Required
(Select the following courses)

GRA	1500	Intro to Graph Comm	3
GRA	1543C	Graphic Design 1	4
GRA	1544C	Graphic Design 2	4
GRA	1571C	Intro to Digital Imaging	4
GRA	1706C	Graphic Art Estim	3
GRA	2540C	Elec Publishing	4
GRA	2545C	Graphic Design 3	4
GRA	2546C	Graph Design 4	4
GRA	2550C	Comp Assist Graph Design	4
GRA	2560C	Digital Graph Paint	4
GRA	2577C	Elec Photoshop	4
GRA	2578C	Adv Elec Photoshop 2	4

Electives - 3 Credits Required
(Select from the following courses)

ART	1300C	Drawing	4
ART	1330C	Figure Drawing	4
GRA	1530C	Prin of Typography	4
GRA	1949	Co-Op Educ Work Exp	3
GRA	2575C	Color Technology 1	4
GRA	2707C	Graph Arts Estimating 2	3
GRA	2820C	Prof Desktop Pub Media	4
GRA	2949	Co-Op Educ Work Exp	3
MAN	1800	Small Bus Management	3
MAN	2021	Princ of Management	3

Communications - 3 Credits Required
(Select the following course)

ENC	1101	English Comp 1	3

Oral Communications - 3 Credits Required
(Select the following course)

SPC	1026	Fund of Speech Comm	3

Humanities - 3 Credits Required
(Select the following course)

PHI	2604	Crit Think/Ethics	3

Behavioral Science/Social Environment- 3 Credits Required
(Select the following course)

PPE	1005	Psy of Personal Effect	3

Mathematics/Science - 3 Credits Required
(Select the following course)

MAC	1105	College Algebra	3

Computer Competency
By the 16th earned college level credit (excluding EAP and college preparatory courses), a student **must** take the Computer Competency test and **pass** **or**
By the 31st earned college level credit (excluding EAP and college preparatory courses), a student must **pass** CGS 1060, an equivalent continuing education **or** vocational credit course or retest with a **passing** score on the Computer Competency test

Total credits required for Associate in Science degree is 64.

Hospitality and
Tourism Management
Associate in Science

* This program transfers to four-year institutions. See department for information *

The Hospitality and Tourism Management program provides professional preparation for a career in the hospitality industry. Hospitality management is presented as a core curriculum with emphasis on hotel, cruise-line, resorts, conventions, and institutional management. An internship program is required to provide practical experience in the field of the student's choice. The Associate in Arts degree is also available to the student planning to transfer to a four-year institution after graduation from M-DCC. Consult an advisor about which additional courses are included in that program.

Course		Course Title	Cr

Major Course Requirements –
46 Credits Required
(Select the following courses)

HFT	1000	Intro to Hosp Industry	3
HFT	1210	Human Relations/Supv Dev	3
HFT	1220	Comm/Supervision Dev	3
HFT	1300	Supervisory Housekeep	3
HFT	1454	Food & Bev Controls	3
HFT	1949	Co-Op Wrk Exp 1: HFT	3
HFT	2223	Train/Supervisory Dev	3
HFT	2410	Hotel Front Office Proc	4
HFT	2421	Managerial Acct For Hosp	3
HFT	2500	Marketing Hosp Services	3
HFT	2501	Hotel/Motel Sales/Promo	3
HFT	2750	Convention Serv & Mgt	3
HFT	2800	Food & Bev Mgt	3
HFT	2949	Co-Op Wrk Exp 2: HFT	3
MKA	1045	Intro to Customer Serv	3

Communications - 6 Credits Required
(Select the following course)

ENC	1101	English Comp 1	3
ENC	1102	English Comp 2	3

Oral Communications - 3 Credits Required
(Select the following course)

SPC	1026	Fund of Speech Comm	3

Humanities - 3 Credits Required
(Select the following course)

PHI	2604	Crit Think/Ethics	3

Behavioral Science/Social Environment - 3 Credits Required
(Select the folowing course)

PPE	1005	Psy of Personal Eff	3

Mathematics/Science - 3 Credits Required
(Select from the following courses)

MAC	1105	College Algebra	3
or			
MGF	1106	Math for Liberal Arts 1	3

Computer Competency
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Total credits required for Associate in Science degree is 64.

Human Services
Associate in Science

The Human Services program prepares students for employment in the network of programs and agencies which provide for a vast array of human needs. These needs include areas such as health, mental health, retardation, handicap, housing, income maintenance, child care, criminal justice, education, recreation and others. These needs are provided for in a variety of settings such as hospitals, clinics, nursing homes, agencies and schools. A student may prepare as a generalist or may follow a specialization tract in addiction counseling.

Course		Course Title	Cr

Major Course Requirements -
58 Credits Required
(Select the following courses)

DEP	2000	Hum Grwth/Dev	3
ENC	1210	Tech Writing Reports	3
HUS	1001	Intro to Human Services	3
HUS	1031	HIV & Substance Abuser	1
HUS	1110	Basic Counseling Skills	3
HUS	1306	Family Counsel in Addict	3
HUS	1342	Fam Issues in Chem Dep	3
HUS	1504	Fam Counsel & Law	1
HUS	1682	Asses/Trt Pln In Addict	3
HUS	1685	Grp Cnsl in Sub Abuse	3
HUS	2141	Alcohol Studies	3
HUS	2313	Counseling Tech	3
HUS	2820	Field Exp in Hum Serv	3
ISS	1120	The Social Environment	3
PCO	2731	Human Relations	3
PPE	2001	Dynamics of Behavior	3
PSB	2442	The Psych of Addiction	3
PSY	2012	Intro to Psychology	3
SOP	2772	Human Sexuality	3
SOW	2054	Social Work Field Exp	2
SYG	2010	Social Problems	3

Communications - 3 Credits Required
(Select the following course)

ENC	1101	English Comp 1	3

Oral Communications - 3 Credits Required
(Select the following course)

SPC	1026	Fund of Speech Comm	3

Humanities - 3 Credits Required
(Select the following course)

PHI	2604	Crit Think/Ethics	3

Behavioral Science/Social Environment - 3 Credits Required
(Select the following course)

PPE	1005	Psy of Personal Effect	3

Mathematics/Science - 3 Credits Required
(Select the following course)

BSC	1008	Gen Education Biology	3

Computer Competency
By the 16th earned college level credit (excluding EAP and college preparatory courses), a student **must** take the Computer Competency test and **pass** **or**
By the 31st earned college level credit (excluding EAP and college preparatory courses), a student must **pass** CGS 1060, an equivalent continuing education **or** vocational credit course or retest with a **passing** score on the Computer Competency test

Total credits required for Associate in Science degree is 73.

Industrial Management
Technology
Associate in Science

The Industrial Management Technology program is primarily designed to provide additional competencies for administrative, managerial, supervisory, and technical discipline areas for personnel that have mastered technical proficiencies from prior training programs or work experiences. In addition, general education courses will be required to ensure good communication and computational skills. Most of

the course work required will enhance the prior technical skills mastered and prepare the graduate for supervisory and/or advanced technical positions.

Course		Course Title	Cr

**Major Course Requirements -
15 Credits Required**
(Select the following courses)

EET	1082	Intro to Electronics	3
EET	1210	Tech Report Writing	3
or			
OST	2335	Business Writing	3
GEB	1011	Prin of Business	3
MAN	2021	Prin of Management	3
MNA	1345	Effective Supervision	3

Technical Requirements - 30 Credits Required
(For students with prior technical training and/or technical work experience)

Credits may be authorized for students transfering from an approved external program. A student needs a total of 30 credits to meet this requirement, depending on the articulated agreement with an external agency as specified in the respective technical procedure. A student may receive varying amounts of college credit toward a degree. If the student receives less than 30 credits per the technical procedure, the student must complete appropriate additional courses to total at least 30 credits in addition to the 15 credits in major course requirements and the 15 credits in general education core requirements including mathematics. The additional credits may include any business or welding technical course.

MNA	9995	IMT Cert	12-30

Communications - 3 Credits Required
(Select the following course)

ENC	1101	English Comp 1	3

Oral Communications - 3 Credits Required
(Select the following course)

SPC	1026	Fund of Speech Comm	3

Humanities - 3 Credits Required
(Select the following course)

PHI	2604	Crit Think/Ethics	3

**Behavioral Science/Social
Environment - 3 Credits Required**
(Select the following course)

PPE	1005	Psy of Personal Effect	3

Mathematics/Science - 3 Credits Required
(Select the one of the following courses)

MAC	1105	College Algebra	3
or			
MAC	1114	Trigonometry	3

Computer Competency
By the 16th earned college level credit (excluding EAP and college preparatory courses), a student **must** take the Computer Competency test and **pass**
or
By the 31st earned college level credit (excluding EAP and college preparatory courses), a student must **pass** CGS 1060, an equivalent continuing education **or** vocational credit course or retest with a **passing** score on the Computer Competency test

*Total credits required for
Associate in Science degree is 60.*

Interior Design Technology
Associate in Science

The Interior Design Technology program is planned to develop ability in the design of interiors, to encourage originality, and to foster talent in this field. It includes theoretical and technical aspects of interior design. The program is open to those who study for pleasure and those preparing for a career.

Course		Course Title	Cr

**Major Course Requirements-
47 Credits Required**
(Select the following courses)

ARC	1115	Arch Commun 1	2
ARC	1126	Arch Drawing 1	4
ARC	2171	Comp Aided Draft 1	4
ARC	2461	Arch Mat Const 1	4
IND	1020	Interior Design 1	4
IND	1100	Hist of Interiors 1	3
IND	1130	History/Interiors 2	3
IND	1200	Interior Design 2	4
IND	1300	Int Design Pres 1	2
IND	2210	Interior Design 3	4
IND	2220	Interior Design 4	4
IND	2330	Interior Des Pres 2	3
IND	2430	Lighting Design	3
IND	2500	Pro Practices	3

Electives - 8 Credits Required
(Select from the following courses)

ARC	1128	Arch Drawing 2	4
ARC	2053	Arch Computer Applic	4
ARC	2056	Comptr Archt Prsntns	4
ARC	2172	Comp Aided Draft 2	4
CTE	1401	Textiles	3

Communications - 3 Credits Required
(Select the following course)

ENC	1101	English Comp 1	3

Oral Communications - 3 Credits Required
(Select the following course)

SPC	1026	Fund of Speech Comm	3

Humanities - 3 Credits Required
(Select the following course)

PHI	2604	Crit Think/Ethics	3

**Behavioral Science/Social
Environment - 3 Credits Required**
(Select the following course)

PPE	1005	Psy of Personal Effect	3

Mathematics/Science - 3 Credits Required
(Select the following course)

MAC	1105	College Algebra	3

Computer Competency
By the 16th earned college level credit (excluding EAP and college preparatory courses), a student **must** take the Computer Competency test and **pass**
or

By the 31st earned college level credit (excluding EAP and college preparatory courses), a student must **pass** CGS 1060, an equivalent continuing education **or** vocational credit course or retest with a **passing** score on the Computer Competency test

*Total credits required for
Associate in Science degree is 70.*

Additional Information:

Students in this program must be advised by the Interior Design Department before registering.

Landscape Technology
Associate in Science

The Landscape Technology program has two options which are Design and Installation and Maintenance Technician. The program with its two options train students to manage and are designed for students and those who are seeking immediate employment.

Course		Course Title	Cr

**I. Maintenance Technician -
53 Credits Required**
(Select the following courses)

BOT	1010L	Botany Lab	1
ENY	2002	Prin of Entomology	3
HOS	1010	Horticulture 1	3
HOS	1011	Horticulture 2	3
MAG	2332	Pesticide Appl	3
MAN	1800	Small Business Mgt	3
ORH	1256	Nursery Prac 1	3
ORH	1510	Landscape Plant Id 1	3
ORH	1511	Landscape Plant Id 2	3
ORH	1840C	Landscape Const	2
ORH	2220	Turf Management	3
ORH	2234	Ext Plant/Use Maint	3
ORH	2831	Planting Design	4
ORH	2872C	Interior Landscaping	3
ORH	2932	Spec Topic In Landscap	1
ORH	2949	Lndscape Tech Intshp	6
ORH	2820	Irrigation Design & Maint	3
PLP	2001	Plant Pathology	3

**II. Design & Installation Specialization -
53 Credits Required**
(Select the following courses)

BOT	1010L	Botany Lab	1
ENY	2002	Prin of Entomology	3
HOS	1010	Horticulture 1	3
HOS	1011	Horticulture 2	3
MAG	2332	Pesticide Appl	3
MAN	1800	Small Business Mgt	3
ORH	1256	Nursery Prac 1	3
ORH	1510	Landscape Plant Id 1	3
ORH	1511	Landscape Plant Id 2	3
ORH	1840C	Landscape Const	2
ORH	2234	Ext Plant/Use Maint	3

ORH	2277	Foliage Plant Prod	3
ORH	2831	Planting Design	4
ORH	2872C	Interior Landscaping	3
ORH	2949	Lndscape Tech Intshp	3
ORH	2820	Irrigation Design & Maint	3
ORH	2835	Plant Design By Cad	4
PLP	2001	Plant Pathology	3

Communications - 3 Credits Required
(Select the following course)

| ENC | 1101 | English Comp 1 | 3 |

Oral Communications - 3 Credits Required
(Select the following course)

| SPC | 1026 | Fund of Speech Comm | 3 |

Humanities - 3 Credits Required
(Select the following course)

| PHI | 2604 | Crit Think/Ethics | 3 |

Behavioral Science/Social Environment - 3 Credits Required
(Select the following course)

| PPE | 1005 | Psy of Personal Effect | 3 |

Mathematics/Science - 3 Credits Required
(Select the following course)

| BOT | 1010 | Botany | 3 |

Computer Competency

By the 16th earned college level credit (excluding EAP and college preparatory courses), a student **must** take the Computer Competency test and **pass** *or*

By the 31st earned college level credit (excluding EAP and college preparatory courses), a student must **pass** CGS 1060, an equivalent continuing education **or** vocational credit course or retest with a **passing** score on the Computer Competency test

Total credits required for
Associate in Science degree is 68.

Legal Assisting
Associate in Science

The Legal Assistant program prepares students to obtain entry-level employment in law offices, government agencies, banks or business corporations. It also enables persons working in the field without a degree to upgrade their skills to become a qualified paralegal. The M-DCC Legal Assistant program is approved by the American Bar Association.

Course		Course Title	Cr

Major Course Requirements- 50 Credits Required
(Select the following courses)

ACG	2001	Prin of Accounting 1	3
ACG	2001l	Prin/Account Lab 1	1
BUL	2241	Business Law 1	3
BUL	2242	Business Law 2	3
PLA	2300	Fundamentals Of Law	3
PLA	2104	Legal Research	3
PLA	2114	Legal Writing	3
PLA	2203	Trial Preparation	3
PLA	2223	Trial Pract & Appls	3
PLA	2273	Torts	3
PLA	2303	Crim Law/Litigation	3
PLA	2600	Wills, Trust, Estate	3
PLA	2763	Law Office Mgt	3
PLA	2800	Family Law	3
* PLA	1949	Co-Op Work Exper	3
		or	
* PLA	2998	Internship	3
+ PLA	2933	Legal Seminar	1
+ PLA	2933	Legal Seminar	1
+ PLA	2933	Legal Seminar	1
REE	2040	Rl Est Prin & Prac 1	4

Communications – 6 Credits Required
(Select the following courses)

| ENC | 1101 | English Comp 1 | 3 |
| ENC | 1102 | English Comp 2 | 3 |

Oral Communications - 3 Credits Required
(Select the following course)

| SPC | 1026 | Fund of Speech Comm | 3 |

Humanities - 3 Credits Required
(Select the following course)

| PHI | 2604 | Crit Think/Ethics | 3 |

Behavioral Science/Social Environment - 3 Credits Required
(Select the following course)

| PPE | 1005 | Psy of Personal Effect | 3 |

Mathematics/Science - 3 Credits Required
(Select the following course)

| PSC | 1515 | Energy/Nat Environ | 3 |

Computer Competency

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By the 31st earned college level credit (excluding EAP and college preparatory courses), a student must **pass** CGS 1060, an equivalent continuing education **or** vocational credit course or retest with a **passing** score on the Computer Competency test

Total credits required for
Associate in Science degree is 68.

Additional Information:

It is necessary to see an advisor prior to beginning the program and before registering each term. Contact Jim Macdonald, Program Director or Marla Gonzalez, Instructional Assistant at 237-3151 for further information.

Students must complete PLA 2037, PLA 2104 & ENC 1101 prior to enrolling for PLA 2114.

* This is an exit level course to be taken the last term in the program.

+ The three legal seminars should be completed during the last year in the program.

New students are required to attend an orientation. Students who desire to pursue a baccalaureate degree should consult the deparment chairperson.

Marketing Management
Associate in Science

The Marketing Management program is designed mainly for students who intend to seek immediate employment in the field of marketing and those presently employed in marketing but seeking advancement. The Associate in Arts degree is also available to the student planning to transfer to a senior institution after graduating from Miami-Dade Community College. Consult an advisor about additional courses for such plans.

Course		Course Title	Cr

Major Course Requirements – 24 Credits Required
(Select the following courses)

ACG	2021	Financial Accounting	3
ACG	2450	Microcomp Acct	3
		or	
CGS	1060	Intro to Microcomp Usage	4
BUL	2241	Business Law 1	3
		or	
BUL	2130	Legal Environment	3
ECO	2023	Prin/Economics-Micro	3
GEB	1011	Prin Of Business	3
MAN	2021	Prin Of Management	3
MAR	1011	Prin Of Marketing	3
OST	2335	Business Writing	3

* ACG2001 & ACG2001L and ACG2011 & ACG2011L may be taken in place of ACG2021 & ACG2021L (ACG 2021 & ACG2021L cover in one term what ACG2001 & 2001L & 2011 & 2011L cover in two terms).

Complete the requirements for one of the following areas of concentration

A. International Trade – 12 Credits Req.
(Select from following courses)

MAR	1145	Intro Food/Bev Exp	3
MAR	2141	Export/Import Marketing	3
MAR	2147	Prod Hand/Doc Fd Bev/Exp	3
MAR	2154	International Trade	3
MAR	2204	Expexp Dist of Food Prod	3
MAR	2332	Mer Fodd/Bev Exp Bus	3
MNA	1536	Inv & Warehouse Mgt	3
TRA	2704	Intl Logistics & Transport	3

Select an additional 13 credits from the electives.

B. International Business – 12 Credits Req.
(Select from the following courses)

GEB	2350	Intro Intl Business	3
FIN	2610	Intl Fin Mgt	3
MAN	2103	Man in Multi-Cultrl Env	3
MAR	2153	Intl Marketing	3
MNA	1537	Business Logistics	3

Select an additional 13 credits from the electives.

C. Marketing – 12 Credits Req.
(Select from the following courses)

MAR	2141	Export/Import Market	3
MKA	1021	Fund of Selling	3
MKA	1041	Prin of Retailing	3
MKA	1045	Intro to Customer Serv	3
MKA	1511	Prin Ad & Copywriting	3
MKA	1531	Ad Layout/Production	3
PUR	2003	Public Relations	3

Select an additional 13 credits from the electives.

D. Real Estate Marketing – 12 credits Req.
(Select the following course)

| REE | 2040 | Real Est Prin & Prac 1 (P&P1) | 4 |

(Select from the following courses)

REE	2041	Real Est Broker (P&P 2)	5
REE	2085	Post Lic Ed/Salespeople	3
REE	2200	Real Estate Finance	3
REE	2270	Mortgage Bank & Broker	3
MNA	1051	Condo & Assoc Mgt 1	3
MNA	1053	Condo & Assoc Law	3

Select an additional 13 credits from the electives.

E. Non-Profit Management– 18 Credits Req.
(Select from the following courses)

MAN	1028	Mgt for Non-Profit Org	3
MAN	2026	Fin Mgt for Non-Prof Org	3
MAN	2300	Human Resource Mgt	3
MAR	1053	Mkt for Non-Profit Org	3
MAR	2340	Resource Development	3

Select one as an elective:

MAN	1949	Co-Op Work Experience	3
		or	
GEB	2893	Strat/Pol Iss Non-Prof Org	3

Select an additional 7 credits from the electives.

Electives – 7-13 Credits Required
(Select any course with the following prefixes)

ACG • BAN • BUL • BRC • CGS • CIS • COP • ECO • FIN • GEB • MAN • MAR • MKA • MNA • MTB • OST • PUR • QMB • REE • TRA

Communications - 3 Credits Required
(Select the following course)

| ENC | 1101 | English Comp 1 | 3 |

Oral Communications - 3 Credits Required
(Select the following course)

| SPC | 1026 | Fund of Speech Comm | 3 |

Humanities - 3 Credits Required
(Select the following course)

| PHI | 2604 | Crit Think/Ethics | 3 |

Behavioral Science/Social Environment - 3 Credits Required
(Select the following course)

| PPE | 1005 | Psy of Personal Eff | 3 |

Mathematics/Science - 3 Credits Required
(Select the following course)

| QMB | 2100 | Business Statistics | 3 |

Computer Competency

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*Total credits required for
Associate in Science degree is 64.*

Music Business
Associate in Science

The Music Business program is designed for students who intend to seek employment within the music business industry as an alternative to the strictly traditional music degree program. The Associate in Science degree in Music Business combines a traditional music curriculum with industry related courses and experiences. Music business majors will take courses in general academics, music business, music theory, sound engineering, music ensemble, marketing, small business entrepreneurship, accounting and computer applications. Students will undertake an internship at a professional firm involved in some facet of the music industry. The internship experience is an important bridge between academic preparation and career development. The Music Business curriculum includes copyright, publishing, artist development, the recording industry, sales, retailing, live concert promotion, and management preparing well-rounded graduates knowledgeable in all aspects of the music industry.

Course	Course Title	Cr

**Major Course Requirements –
(Music Business) – 15 Credits Required**
(Select the following courses)

MUM 2700	Music Bus 1 – Overview	3
MUM 2702	Music Bus 2 – Careers	3
MUM 2703	Music Bus 3 - Comp Appl	3
MUM 2704	Music Bus 4 - Comp Appl	3
MUM 1949	Music Bus Internship	3

**Major Course Requirements – (Business) –
9 Credits Required**
(Select the following courses)

GEB 1011	Prin of Business	3
MAN 1800	Small Business Mgt	3
MAR 1011	Survey of Marketing	3

**Major Course Requirements –
(Computer) – 4 Credits Required**
(Select the following course)

COP 1822	Web Page Design	4

**Business Management Option –
20 Credits Req.**
(Select the following courses)

ACG 2021	Financial Accounting 1	3
ACG 2021L	Financial Accounting 1 Lab	1
BUL 2241	Business Law 1	3
GEB 2350	Intro To International Law	3
MUL 1010	Music Appreciation	3
MUN XXXX	Major Ensemble	1

Choose 6 credits of additional electives courses under your advisor's guidance.

**Creative Performance Option -
20 Credits Req.**
(Select the following courses)

MUM 2623C	Midi Electronic Music 1	3
• MUN XXXX	Ensemble	1

• MUN XXXX	Ensemble	1
MUT 1111	Theory 1	3
MUT 1112	Theory 2	3
MUT 1241	Sightsinging & Ear Train 1	1
MUT 1242	Sightsinging & Ear Train 2	1
MVK 1111	Class Piano 1	1
MVK 1112	Class Piano 2	1
•• MV* XXXX	Applied Instrument	1
•• MV* XXXX	Applied Instrument	1

Choose 3 credits of additional elective courses under your advisor's guidance.

**Creative Production Option –
20 Credits Req.**
(Select the following courses)

MUM 2623C	Midi Electronic Music 1	3
MUM 2600	Sound Record 1	3
MUM 2600L	Sound Record 1 Lab	1
MUT 1111	Theory 1	3
MUT 1241	Sightsinging & Ear Train 1	1
MVK 1111	Class Piano 1	1
MVK 1112	Class Piano 2	1
• MUN XXXX	Ensemble	1

Choose 6 credits of additional elective courses under your advisor's guidance.

Electives - 3 – 6 Credits Required
(Select from the following courses EXCEPT THOSE IDENTIFIED FOR YOUR OPTION):

BUL 2242	Business Law 2	3
CGS 1060	Intro to Microcomp	4
MAN 2021	Prin of Management	3
MAN 2930	Creative Leadership	3
MKA 1511	Prin of Advert/Cooperating	3
MKA 1021	Fund of Selling	3
MUC 2311	Electronic Music 1	3
MUH 2111	Survey of Music Hist 1	3
MUH 2112	Survey of Music Hist 2	3
MUL 2380	Jazz & Pop Music In Amer	3
MUM 2600	Sound Record 1	3
MUM 2600L	Sound Record 1 Lab	1
MUM 2601	Sound Record 2	3
MUM 2601L	Sound Record 2 Lab	1
MUM 2623C	Midi Electron Music 1	3
MUM 2624C	Midi Electron Music 2	3
MUM 2640L	Multi-Track Mixdown Tech	1
MUT 2641	Jazz Improvisation 1	1
MUT 2238	Intro Jazz Keybrd Harmny	1
MUT 2351	Intro Pop Music Arrange	3
PUR 2003	Public Relations	3
RTV 2249C	Radio Program Oper	3
RTV 1210C	Radio Production	3
TAX 2010	Business Taxes & Returns	3

Communications - 3 Credits Required
(Select the following course)

ENC 1101	English Comp 1	3

Oral Communications - 3 Credits Required
(Select the following course)

SPC 1026	Fund of Speech Comm	3

Humanities - 3 Credits Required
(Select the following course)

PHI 2604	Crit Think/Ethics	3

**Behavioral Science/Social
Environment - 3 Credits Required**
(Select the following course)

PPE 1005	Psy of Personal Effect	3

Mathematics/Science - 3 Credits Required
(Select the following course)

MAC 1105	College Algebra	3

Computer Competency

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*Total credits required for
Associate in Science degree is 63.*

Additional Information:

• Any course that begins with an "MUN" prefix and which fulfills the credit hour requirement may

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be selected under the guidance of your advisor.

•• Any course prefix that begins with "MV*" (Includes: MVB, MVJ, MVK, MVO, MVP, MVS, MVV, AND MVW) which fulfills the credit hour requirement may be selected under the guidance of your advisor.

Office Systems Technology
Associate in Science

The Office Systems Technology program is designed to train information processors, secretaries, and administrative assistants to meet the demands of the automated office. Emphasis is placed on technology and related skills for office workers such as: keyboarding, computer literacy and applications, proofreading, and transcription. in addition, the program objectives are designed to help students develop the interpersonal and communication skills needed by office professionals.

Course	Course Title	Cr

**Major Course Requirements -
15 Credits Required**
(Select the following courses)

OST 1110	Docu/Formatting Type 2	3
OST 1110L	Docu Frmtg/Type 2 Lab	1
OST 1330	Business English	3
CGS 1501	Microcomp Wordproc	4
or		
OST 1741	Beg Word Processing	3
and		
OST 1741L	Beg Word Processing Lab	1
CGS 1511	Microcomp Spreadsheet	4
or		
OST 2712	Adv Word Processing	3
OST 2712L	Adv Wordprocessing Lab	1

Complete the requirements for one of the following areas of concentration:

**A. Administrative Assistant Option -
16 Credits Required**
(Select the following courses)

OST 1601	Machine Transcript 1	3
OST 2120	Docum/Fmtng Type 3	3
OST 2120L	Docum/Fmtng Type Lab 3	1
OST 2335	Business Writing	3
OST 2402	Secretarial Procedures	3
OST 2602	Machine Transcript 2	3

**B. Legal Secretary Option -
16 Credits Required**
(Select the following courses)

OST 2120	Docum/Fmtng Typwrt 3	3
OST 2120L	Docum/Fmtng Typwrt Lab 3	1
OST 2251	Legal Dictation & Trans	3
OST 2335	Business Writing	3
OST 2431	Legal Sec Procedures	3
OST 2602	Machine Transcript 2	3

**C. Software Specialist Option -
14 Credits Required**
(Select the following courses)

CDA 1522	Microcomputer Network	4
CGS 1541	Microcomp Database Mgt	4
CGS 1564	Intro to Windows	2
CGS 1580	Microcomp Desktop Pub	4

Electives - 17-19 Credits Required
(Select from the following courses)

CAP 1700	Intro Com Graph Prgm	4
CDa 1522	Microcomputer Network	4
CGS 1060	Intro to Micro Comp	4
CGs 1081	Intro Comp Visually Imp	4
CGS 1560	Microcomp Oper Sys	4
CGS 1564	Intro to Windows	2
CGS 1571	Integrated Software	4
CGS 1871	Intro to Multi Media	4
OST 1100	Keyboarding/Type 1	3
OST 1100L	Keyboarding/Type Lab 1	1
OST 1108	Keybd/Ty/Skill Bldg	2
OST 1601	Machine Transcript 1	3
OST 1702	Intro/Elect Office	3
OST 1821	Intro to Desktop Pub	3
or		
CGS 1580	Microcomp/Desktop Pub	4
OST 1949	Co-Op Work Exp 1: OFF	3

OST	2120	Docum/Fmting Typwrt	3
OST	2120L	Docum/Frmting Type Lab 1	3
OST	2301	Secretarial Accounting	3
OST	2311	El Spreadsheet/Lotus 1-2-3	3
OST	2335	Business Writing	3
OST	2362	Database Mgt	3
	or		
CGS	1541	Microcomp Database Mgt	4
OST	2387	CPS Exam Prep Part 1	1-3
OST	2388	CPS Exam Prep Part 2	1-3
OST	2402	Secretarial Procedures	3
OST	2436	Court Proc & Law Terms	3
OST	2602	Machine Transcript 2	3
OST	2723	Spec Appl/Word Proce	3
OST	2822	Adv Desktop Pub	3
OST	2826	Desktop Present Graphics	4
OST	2949	Co-Op Work Exp 2: OFF	3

Communications - 3 Credits Required
(Select the following course)

ENC	1101	English Comp 1	3

Oral Communications - 3 Credits Required
(Select the following course)

SPC	1026	Fund of Speech Comm	3

Humanities - 3 Credits Required
(Select the following course)

PHI	2604	Crit Think/Ethics	3

Behavioral Science/Social Environment - 3 Credits Required
(Select the following course)

PPE	1005	Psy of Personal Effect	3

Mathematics/Science - 3 Credits Required
(Select the following course)

QMB	2100	Basic Business Statistics	3

Computer Competency

By the 16th earned college level credit (excluding EAP and college preparatory courses), a student **must** take the Computer Competency test and **pass**
or
By the 31st earned college level credit (excluding EAP and college preparatory courses), a student must **pass** CGS 1060, an equivalent continuing education **or** vocational credit course or retest with a **passing** score on the Computer Competency test

Total credits required for
Associate in Science degree is 63.

Photographic Technology
Associate in Science

The Photographic Technology program is designed to meet individual students' needs for either further study or immediate employment in the field of commercial and industrial photography. Students develop a wide variety of photographic and art related skills and the ability to use these skills to produce commercially viable photographs. Instruction covers portrait photography, still photography, fashion photography, illustrative photography as well as the business skills needed to manage a photographic enterprise. Various internships such as in biomedical and forensic technology are available to students.

Course		Course Title	Cr

Major Course Requirements-
40 Credits Required
(Select the following courses)

ART	1202C	Two Dimension Design	4
ART	1300C	Drawing	4
PGY	2210	Portrait/Still Photo	4
PGY	2110C	Color Photography 1	4
PGY	2111C	Color Photography 2	4
PGY	2221	Illustrative Photo 1	4
PGY	2230	Illustrative Photo 2	4
PGY	2401C	Intro To Photography	4
PGY	2410C	Interm Photography	4
PGY	2470	Portfolio Prep	4

Electives - 9 Credits Required
(Select from the following courses)

ART	2600C	Computer Art	4
ART	2601C	Interm Computer Art	4
ART	2610C	Advanced Computer Art	4
ART	2800C	Visual Arts Workshop	2
FIL	1270	Film Prod 1: Film Pr	4
FIL	1276	Film Production 2	4
GRA	1500	Rpro Processes	2
GRA	1571C	Graph Photo Process	4
GRA	2530	Int Electronic Pub	3
GRA	2540C	Adv Electronic Pub	4
GRA	2550C	Comp Assist Graph De	4
GRA	2560C	Digital Graphic Printer	4
GRA	2570	Digital 3D Graph Design	4
GRA	2573C	Graphic Arts Hlftone	4
GRA	2575C	Color Repro Tech 1	3
GRA	2577C	Electronic Photoshop	4
GRA	2820C	Prof. Dktp Pub Media	4
JOU	2600	Intr/Photojournalism	3
PGY	2112C	Color Photography 3	4

PGY	2222	Fashion Photography	4
PGY	2475	Advanced Art	4
PGY	2940	Photog Internship	4
SPC	1300	Intrprsnl Communicat	3
SUR	2330C	Photogrammetry 1	3

Communications - 3 Credits Required
(Select the following course)

ENC	1101	English Comp 1	3

Oral Communications - 3 Credits Required
(Select the following course)

SPC	1026	Fund of Speech Comm	3

Humanities - 3 Credits Required
(Select the following course)

PHI	2604	Crit Think/Ethics	3

Behavioral Science/Social Environment - 3 Credits Required
(Select the following course)

PPE	1005	Psy of Personal Effect	3

Mathematics/Science - 3 Credits Required
(Select the following course)

MAC	1105	College Algebra	3

Computer Competency

By the 16th earned college level credit (excluding EAP and college preparatory courses), a student **must** take the Computer Competency test and **pass**
or
By the 31st earned college level credit (excluding EAP and college preparatory courses), a student must **pass** CGS 1060, an equivalent continuing education **or** vocational credit course or retest with a **passing** score on the Computer Competency test

Total credits required for
Associate in Science degree is 64.

Professional Pilot Technology
Associate in Science

The Professional Pilot Technology program is primarily developed to meet the challenging regional airline requirements for pilots; therefore, graduates of the program will earn the following Federal Aviation Administration (FAA) Certficates: Private, Commercial Pilot with Single and Multi-Engine Ratings. In addition, these certficates can be applied toward a Certified Flight Instructor (CFI) Certificate.

Course		Course Title	Cr

Major Courses First Term -
10 Credits Required
(Select the following courses)

ASC	1210	Aero Meteorology	3
ATF	1100	Private Pilot Flight	3
ATT	1100	Private Pilot Theory	4

Major Courses Second Term -
13 Credits Required
(Select the following courses)

ASC	1550	Aerodynamics	3
ASC	1610	Acft Engines/Strcturs	3
ATF	2200	Instrument Pilot Flight	3
ATT	2120	Instrmnt Pilot Theory	4

Major Courses Third Term -
12 Credits Required
(Select the following courses)

ASC	2470	Physiolgy/Psych of Flt	3
ASC	2670	Aircraft Systems	3
ATF	2210	Commercial Pilot Flight	3
ATT	2110	Commercl Pilot Theory	3

Major Courses Fourth Term -
10 Credits Required
(Select the following courses)

* ATF	2300	Multi-Enging Flight	1
ATT	2133	Multi-Engine Pilot Theory	2

ATT	2660	Regional Airline Oper	3
*** ATT	2820	Air Traffic Control	3
AVM	1062	Aviation Career Planning	1

Electives – 4 Credits Required
(Select from the following courses)

ATF	2501	Flight Inst-Flight Train	3
ATF	2501L	Flight Instructor Lab	1
ATT	2131	Flight Inst Theory	3
ATT	2821	ATC Radr/Non-Radr Proc	3
ATT	2822	VFR Tower Operations	3
** CGS	1060	Intro Microcomp Usage	4

Communications - 3 Credits Required
(Select the following course)

| ENC | 1101 | English Comp 1 | 3 |

Oral Communications - 3 Credits Required
(Select the following course)

| SPC | 1026 | Fund of Speech Comm | 3 |

Humanities - 3 Credits Required
(Select the following course)

| PHI | 2604 | Crit Think/Ethics | 3 |

Behavioral Science/Social Environment - 3 Credits Required
(Select the following course)

| PPE | 1005 | Psy of Personal Effect | 3 |

Mathematics/Science - 3 Credits Required
(Select the following course)

| MAC | 1105 | College Algebra | 3 |

Computer Competency
By the 16th earned college level credit (excluding EAP and college preparatory courses), a student **must** take the Computer Competency test and **pass** *or*

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Total credits required for
Associate in Science degree is 64.

Additional Information:

Students interested in this program must first pass an FAA class I medical evaluation prior to beginning classes.

Cost of flight training is in addition to normal tuition costs.

Contact the Aviation Department at (305) 237-5060 for information and advisement.

* Students may choose to complete the CFI Crtificate than Multi-Engine to graduate from this program.
** Students may choose to take the Competency Exam at a main campus testing center.
*** Students may choose to take ATT2821, ATT2822, AVM1022 and AVM2431 to pursue the air traffic control option.

Radio and Television Broadcast Programming
Associate in Science

The Radio and Television Broadcast Programming program is designed for students who intend to seek employment in radio, television, and production companies, as well as allied fields such as in-house educational and industrial studios. The curriculum provides introductory and advanced courses essential to the professional program. It stresses hands-on equipment use in both the radio and TV laboratories. Students will have access to high-end cameras, editing suites and video graphics animation facilities and will complete portfolio-quality productions.

Course		Course Title	Cr

Major Course Requirements - 46 Credits Required
(Select the following courses)

FIL	1281	TVFilm Computer Appl	3
FIL	2931	Careers in Film/TV	1
MMC	2000	Intro to Mass Comm	3
RTV	1000	Fund Sur of Brdcstng	3
RTV	1100	Radio/TV Writing	3
RTV	1240C	Radio Production	3
RTV	1241C	Television Studio Prod 1	4
RTV	1242C	Television Studio Prod 2	4
RTV	2226	Broadcast News	3
RTV	2243C	Television Directing	3
RTV	2245C	Electronic Field Prod 1	4
RTV	2246C	Electronic Field Prod 2	4
RTV	2250C	Video Post Prod	2
VIC	1202	Film/TV Graphics	3

Electives - 3 Credits Required
(Select from the following courses)

RTV	2230C	Radio & TV Announcing	3
RTV	2244	TV Direction 2	3
RTV	2247C	TV Master Control	3
RTV	2248C	Television Workshop	3
RTV	2249C	Radio Prog Oper	3
RTV	2251C	Adv Editing (Digital)	3
RTV	2940	Internship	3
VIC	1000	Visual Communications	3
VIC	2203	Video Graph & Animation 1	4
VIC	2204	Video Graph & Animation 2	4

Communications - 3 Credits Required
(Select the following course)

| ENC | 1101 | English Comp 1 | 3 |

Oral Communications - 3 Credits Required
(Select the following course)

| SPC | 1026 | Fund of Speech Comm | 3 |

Humanities – 3 Credits Required
(Select the following course)

| PHI | 2604 | Crit Think/Ethics | 3 |

Behavioral Science/Social Environment - 3 Credits Required
(Select the following course)

| PPE | 1005 | Psy of Personal Effect | 3 |

Mathematics/Science - 3 Credits Required
(Select the following course)

| BSC | 2250 | Nat Hist of South Florida | 3 |

or

| MET | 1010 | Intro to Weather | 3 |

Computer Competency
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By the 31st earned college level credit (excluding EAP and college preparatory courses), a student must **pass** CGS 1060, an equivalent continuing education **or** vocational credit course or retest with a **passing** score on the Computer Competency test

Total credits required for
Associate in Science degree is 64.

Sign Language Interpretation
Associate in Science

The Sign Language Interpretation program is designed to develop the skills necessary to interpret the communications between deaf or hard of hearing persons and hearing individuals in an accurate and effective manner. Also developed is a practical understanding of aspects of deaf studies and deaf culture and community. Graduates should be able to interpret at a basic level, and to achieve a minimum of Level 1 on the Quality Assurance (QA) Screening of the Florida Registry of Interpreters for the Deaf, which is traditionally required for employment as an interpreter in the state.

In addition the program will provide a foundation, especially with an accompanying Associate in Arts degree, for those persons who wish to pursue advanced degrees in preparation for careers in special education, vocational rehabilitation or other human service fields.

Course		Course Title	Cr

Major Course Requirements - 50 Credits Required
(Select the following courses)

EHD	1400	Interpretng Ethics & Prof	3
EHD	1401	Voice to Sign Interpreting	3
EHD	1402	Sign to Voice Interpreting	3
EHD	1408	Educational Interpret	3
EHD	1409	Intrep: Spec Set & Pop	3
EHD	1941	Interpret/Pract 1	3
EHD	1942	Interpret/Pract 2	3
SPA	1613C	American Sign Lang 2	4
SPA	1630	Survey of Deaf Studies	3
SPA	2333	Linguistcs of Am Sgn Lang	3
SPA	2384	ASL Recept Skills Dev	3
SPA	2614C	Amer Sign Lang 3	4
SPA	2615C	Amer Sign Lang 4	4
SPA	2616	ASL Conver Skills	3
SPA	2626	Fingerspell Skills Dev	2
SPA	2631	Deaf Culture & Comm	3

Electives - 7 Credits Required
(Select from the following courses)

DEP	2000	Human Growth & Dev	3
EDF	1005	Intro to Education	3
EEX	2000	Intro/Special Ed	3
HUS	1001	Intro/Human Services	3
LIN	2670	Mod English Grammar	3
PAD	2002	Intro to Public Admin	3
PCO	2731	Human Relations	3
PSY	2012	Intro to Psychology	3
SOP	2002	Social Psychology	3
SPA	1365	Direct Independ Study	1-2
SPA	1612C	Amer Sign Lang 1	4
SPA	2001	Intro/Com Disorders	3
SPC	2050	Voice & Diction	3
TPP	1100	Acting 1	3

Note: course substitutions to meet employment objectives may be authorized by department chairperson or designee.

Communications - 3 Credits Required
(Select the following course)

| ENC | 1101 | English Comp 1 | 3 |

Oral Communications - 3 Credits Required
(Select the following course)

| SPC | 1026 | Fund of Speech Comm | 3 |

Humanities - 3 Credits Required
(Select the following course)

| PHI | 2604 | Crit Think/Ethics | 3 |

Behavioral Science/Social Environment - 3 Credits Required
(Select the following course)

| PPE | 1005 | Psy of Personal Effect | 3 |

Mathematics/Science - (3 Credits Required)
(Select 3 credits (excluding labs) from any of the following courses)
Math: MAC, MAD, MAP, MAS, MGF, QMB, STA
Science: AST1002, BOT, BSC, CHM, GLY, HUN1201, MCB, MET, OCE, PCB2033, PHY, PSC, ZOO

Computer Competency
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Total credits required for
Associate in Science degree is 72.

Telecommunications Engineering Technology
Associate in Science

The Telecommunications Engineering Technology program prepares students for work as technicians in the field of telecommunications engineering. No previous experience required to enter. The program focuses on the understanding and applying of new techniques in the electronic technology for purpose of testing, maintaining, repairing, and upgrading digital as well as analog communication systems. The program is designed to be an intergrated educational curriculum taught using an intergrated applied and theoretical approach.

Course		Course Title	Cr
Major Course Requirements – 40 Credits Required			
(Select from the following courses)			
CET	2114C	Dig Comp Circ Analysis 1	4
CET	2123C	Microprocessors	4
EET	1015C	Direct Current Circuits	4
EET	1025C	Alter Current Circuits	4
EET	1082	Intro to Electronics	3
EET	1141C	Semiconduct Fund	4
EET	2101C	Electronic Device	4
EET	2305C	Electronic Comm	4
EET	2351	Fund of Dig & Data Comm	4
EST	2224C	Fiber Optic Comm	2
MTB	1322	Tech Mathematics 2	3

Electives – 9 Credits Required			
(Select from the following courses)			
CET	1171	Micro-Comp Serv & Maint 1	3
CET	1172C	Micro-Comp Serv & Maint 1	3
CET	1173C	Networking 1	3
CET	2142C	Computers 2	4
CET	2176C	Micro-Comp Serv & Maint 3	3
EET	1142C	Transistors	4
ETD	1330	AutoCAD	3
MTB	1321	Tech Mathematics 1	3

Communications - 3 Credits Required
(Select the following course)

ENC	1101	English Comp 1	3

Oral Communications - 3 Credits Required
(Select the following course)

SPC	1026	Fund of Speech Comm	3

Humanities - 3 Credits Required
(Select the following course)

PHI	2604	Crit Think/Ethics	3

Behavioral Science/Social Environment - 3 Credits Required
(Select the following course)

PPE	1005	Psy of Personal Eff	3

Mathematics/Science - 3 Credits Required
(Select te following course)

MAC	1105	College Algebra	3

Computer Competency
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Total credits required for
Associate in Science degree is 64.

Theatre and Entertainment Technology
Associate in Science

The Theatre and Entertainment Technology program is designed to prepare students for employment as theater and entertainment technicians, sound controllers, grips, dressers, prop makers, lighting equipment operators, high riggers, lighting technicians, stage hands or to provide supplemental education for persons previously or currently employed in these occupations. An internship is required to provide practical experience.

Course		Course Title	Cr
Major Course Requirements - 35 Credits Required			
(Select from the following courses)			
TPA	1202	Intro to Entert Tech 1	3
TPA	1212	Entert Tech Technician 1	3
TPA	1213	Entert Tech Technician 2	3
TPA	1214	Conc Studio & Stage Light	4
TPA	1251	Audio Visual, Multi-Media	3
TPA	1252	Automation & Computers	3
TPA	1260	Conc Studio & Stage Snd	4
TPA	1274	Prop, Prac, Non-Elec Sp Eff	3
TPA	1275	Spec Effects: Electrified	3
TPA	2270	Craft 1	3
TPA	2276	Craft 2	3

Electives - 14 Credits Required			
(Select from the following courses)			
ART	2600C	Computer Art	4
MUM	2623	Midi Electronic Music	3
PGY	2401	Image Capture	4
TPA	2236	Costuming/Make-Up	3
TPA	2292	Production	1-3
TPA	2940	Practicum	1-6
TPP	1100	Acting 1	3

Communications - 3 Credits Required
(Select the following course)

ENC	1101	English Comp 1	3

Oral Communications - 3 Credits Required
(Select the following course)

SPC	1026	Fund of Speech Comm	3

Humanities - 3 Credits Required
(Select the following course)

PHI	2604	Crit Think/Ethics	3

Behavioral Science/Social Environment - 3 Credits Required
(Select the following course)

PPE	1005	Psy of Personal Effect	3

Mathematics/Science - 3 Credits Required
(Select the following course)

MGF	1106	Math For Liberal Arts	3

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Total credits required for
Associate in Science degree is 64.

Travel Industry Management Associate in Science

The Travel Industry Management program is designed to meet the educational and basic experience requirements for employment in the travel industry, e.g. travel agencies, airlines, cruise lines, and private-business travel departments. This program combines general education courses, travel occupation courses, and special travel laboratory courses in order to prepare the student for competent application of the skills required on-the-job.

Course		Course Title	Cr

Major Course Requirements - 45 Credits Required
(Select the following courses)

HFT	1716	Travel Destinations	3
HFT	1721	Travel Agency Operat	3
HFT	1724	Travel Selling	3
HFT	1725	Airline & Trav Mrk	3
HFT	1726	Trav Tools of Trade	3
HFT	1731	Cert Tour Gde Fld Stdy	3
HFT	1794	Psy of Leis Travel	3
HFT	1950	Narrative Presenta	3
HFT	2400	Trav Acc & Info Sys	3
HFT	2700	Intro to Tourism	3
HFT	2702	Airline Ticket/Tarif	4
HFT	2728	Comp Airln Res Sys 1	4
HFT	2729	Comp Airln Res Sys 2	4
Ost	1100	Keyboarding/Typewriting 1	3

Electives - 4 Credits Required
Select from the following prefixes or courses AVM, CGS, CIS, ENC1102, ENC2200, FRE, FRW, GEA, GER, HBR, HFT, ITA, JOU, JPN, MAN, MAR, MET, MKA, OST, PGY, POR, PSY, QMB, RUS, SPN

Communications - 3 Credits Required
(Select the following course)

ENC	1101	English Comp 1	3

Oral Communications - 3 Credits Required
(Select the following course)

SPC	1026	Fund of Speech Comm	3

Humanities - 3 Credits Required
(Select the following course)

PHI	2604	Crit Think/Ethics	3

Behavioral Science/Social Environment - 3 Credits Required
(Select the following course)

PPE	1005	Psy of Personal Effect	3

Mathematics/Science - 3 Credits Required
(Select one of the following courses)

BOT	1010	Botany	3
or			
BSC	2250	Nat Hist of South Florida	3
or			
GLY	1001	Gen Edu Earth Science	3
or			
GLY	1160	Eco/Geo Natural Parks	3
or			
MAC	1105	College Algebra	3
or			
MET	1010	Intro to Weather	3
or			

OCE	1001	Intro to Oceanography	3
or			
PCB	2033	Intro to Ecology	3
or			
PSC	1515	Energy in Nat Environment	3
or			
QMB	2100	Basic Bus Statistics	3
or			
STA	2023	Statistics Methods	3
or			
ZOO	1010	Zoology	3

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Total credits required for Associate in Science degree is 64.

Additional Information:

Course substitutions to meet employment objectives may be authorized by the department chairperson or designee. Credits may be chosen from any college level courses listed in the M-DCC catalog. See travel program advisor for appropriate order of course selection.