

# 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.
<b>Major Course Requirements - 29 Credits Required</b>		
<i>(Select the following courses)</i>		
* ACG 2021	Financial Accounting	3
ACG 2021L	Financial Accounting Lab	1
ACG 2071	Managerial Accounting	3
ACG 2071L	Managerial Accounting Lab	1
ACG 2450	Microcomp in Accounting	3
BUL 2130	Legal Environment	3
<i>or</i>		
BUL 2241	Business Law 1	3
ECO 2013	Principles 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

\* 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.)

### Electives - 20 Credits Required

<i>(Select from the following courses)</i>		
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 Accounting Lab	2
ACG 2630	Auditing	3

BUL 2242	Business Law 2	3
CGS 1060	Intro to Microcomp Usage	4
CGS 1510	Ele Spreadsheet/BDP	1
ECO 2023	Prin of Economics - Micro	3
MAN 2021	Prin of Management	3
MAR 1011	Prin of Marketing	3
MTB 1103	Business Mathematics	3
MTB 1302L	Business Math Lab	1
OST 1141	Keyboard for Computers	1
QMB 2100L	Basic Statistics Lab	1
TAX 2010	Bus Taxes & 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

<i>(Select the following course)</i>		
ENC 1101	English Comp 1	3

### Oral Communications - 3 Credits Required

<i>(Select the following course)</i>		
SPC 1026	Fund of Speech Comm	3

### Humanities - 3 Credits Required

<i>(Select the following course)</i>		
PHI 2604	Crit Think/Ethics	3

### Behavioral Science/Social Environment - 3 Credits Required

<i>(Select the following course)</i>		
PPE 1005	Psy of Personal Effect	3

### Mathematics/Science - 3 Credits Required

<i>(Select the following course)</i>		
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 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.
<b>Major Course Requirements - 38 Credits Required</b>		
<i>(Select the following courses)</i>		
EGS 2020	Engin Meas & Comp	3
ETD 1200	Technical Drawing 1	4
ETD 1542	Structural Drafting	4
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 2760C	Heat & Refrigeration	3
ETM 2930	Aircond Seminar	3
MTB 1321	Tech Math 1	3

### Electives - 11 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

<i>(Select the following course)</i>		
ENC 1101	English Comp 1	3

### Oral Communications - 3 Credits Required

<i>(Select the following course)</i>		
SPC 1026	Fund of Speech Comm	3

### Humanities - 3 Credits Required

<i>(Select the following course)</i>		
PHI 2604	Crit Think/Ethics	3

### Behavioral Science/Social Environment - 3 Credits Required

<i>(Select the following course)</i>		
PPE 1005	Psy of Personal Effect	3

### Mathematics/Science - 3 Credit Required

<i>(Select the following course)</i>		
MAC 1105	College Algebra	3

### Computer Competency

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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 Design and Construction Technology 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.
<b>Major Course Requirements - 43 Credits Required</b>		
<i>(Select the following courses)</i>		
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

<i>(Select from the following courses)</i>		
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

<i>(Select the following course)</i>		
ENC 1101	English Comp 1	3

### Oral Communications - 3 Credits Required

<i>(Select the following course)</i>		
SPC 1026	Fund of Speech Comm	3

### Humanities - 3 Credits Required

<i>(Select the following course)</i>		
PHI 2604	Crit Think/Ethics	3

### Behavioral Science/Social Environment - 3 Credits Required

<i>(Select the following course)</i>		
PPE 1005	Psy of Personal Effect	3

### Mathematics/science - 3 Credits Required

<i>(Select the following course)</i>		
MAC 1105	College Algebra	3

### Computer Competency

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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.
<b>Major Course Requirements - 9 Credits Required</b>		
<i>(Select from the following courses)</i>		
MNA 1345	Effective Supervision	3
MAN 2021	Prin of Management	3
MNA 2120	Managerial Psycholog	3
or		
MAN 2300	Human Resources Mgt	3
<b>Major Course Requirements - 44 Credits Required</b>		
<i>(Awarded for successful completion of 1440 contact hour nationally certified and approved auto mechanics training program as prescribed in M-DCC technical procedures)</i>		
+ AER 9995	ASE Certification	44

### Communications - 3 Credits Required

<i>(Select the following course)</i>		
ENC 1101	English Comp 1	3

### Oral Communications - 3 Credits Required

<i>(Select the following course)</i>		
SPC 1026	Fund of Speech Comm	3

### Humanities - 3 Credits Required

<i>(Select the following course)</i>		
PHI 2604	Crit Think/Ethics	3

### Behavioral Science/Social Environment - 3 Credits Required

<i>(Select the following course)</i>		
PPE 1005	Psy of Personal Effect	3

### Mathematics/Science - 3 Credits Required

<i>(Select the following course)</i>		
QMB 2100	Business Statistics	3
or		
MAC 1105	College Algebra	3

### Computer Competency

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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.
<b>Major Course Requirements - 38 Credits Required</b>		
<i>(Select the following courses)</i>		
ASC 2320	Aviation Laws & Regs	3
ATT 2820	Air Traffic Control	3
AVM 1010	Aviation Ind Oper	3
AVM 1022	Flight Operations	3
AVM 1062	Aviation Career Plan	1
AVM 1520	Airline Reservation	3
AVM 1521	Airline Ticketing	3
AVM 2120	Air Cargo Operations	3
AVM 2431	Cust Serv Agent	3
AVM 2510	Airline Management	3
AVM 2515	Airline Marketing	3
CGS 1060	Intro to Microcomputers	4
MAN 2021	Prin of Management	3

### Electives - 11 Credits Required

<i>(Select from the following courses)</i>		
ACG 2001	Prin of Accounting 1	3
ASC 1210	Aviation Meteorology	3
ATF 1000	Intro to Flight	3
ATT 2821	ATC Radar & Non-Radar	3
ATT 2822	VFR 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
AVM1949		

### Communications - 3 Credits Required

<i>(Select the following course)</i>		
ENC 1101	English Comp 1	3

### Oral Communications - 3 Credits Required

<i>(Select the following course)</i>		
SPC 1026	Fund of Speech Comm	3

### Humanities - 3 Credits Required

<i>(Select the following course)</i>		
PHI 2604	Crit Think/Ethics	3

### Behavioral Science/Social Environment- 3 Credits Required

<i>(Select the following course)</i>		
PPE 1005	Psy of Personal Effect	3

### Mathematics/Science - 3 Credits Required

<i>(Select the following course)</i>		
MAC 1105	College Algebra	3
<i>or</i>		
MET 1010	Intro to Weather	3

### Computer Competency

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

Additional Information:

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

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.
<b>Major Course Requirements - 65 Credits Required</b>		
<i>(Select the following courses)</i>		
+ 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 2431	Cust Serv Agent	3
AVM 2515	Airline Marketing	3
CGS 1060	Intro to Microcomp Usage	4

### Electives - 3 Credits Required

<i>(Select from the following courses)</i>		
* ASC 1210	Aviation Meteorology	3
<i>or</i>		
AVM 1010	Aviation Indus Oper	3
<i>or</i>		
ATT 1100	Priv Pilot Theory	3
<i>or</i>		
* ATT 2820	Air Traffic Control	3
<i>or</i>		
* ATT 2821	ATC Radar & Non-Radar Proc	3
<i>or</i>		
* ATT 2822	VFR Tower Oper	3

### Communications - 3 Credits Required

<i>(Select the following course)</i>		
ENC 1101	English Comp 1	3

### Oral Communications - 3 Credits Required

<i>(Select the following course)</i>		
SPC 1026	Fund of Speech Comm	3

### Humanities - 3 Credits Required

<i>(Select the following course)</i>		
PHI 2604	Crit Think/Ethics	3

### Behavioral Science/Social Environment - 3 Credits Required

<i>(Select the following course)</i>		
PPE 1005	Psy of Personal Effect	3

### Mathematics/Science - 3 Credits Required

<i>(Select the following course)</i>		
MAC 1105	College Algebra	3
<i>or</i>		
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.

\* Students may choose to take these courses to pursue the Air Traffic Control option.

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

## Biomedical Engineering Technology Associate in Science

The Biomedical Engineering Technology program prepares students for employment as Biomedical Engineering Technicians/Technologists in an related occupations in health related fields or to provide supplemental training for persons currently or previously employed in these occupations. The program focuses on the understanding and applying of concepts in electronics, in addition to troubleshooting techniques, to digital, microprocessor, or computer-based systems as they relate to medical devices. Assembly, installation, operations maintenance, calibration, trouble-shooting, repairing, and elementary design on medical systems are taught using an integrated applied and theoretical approach.

Course	Course Title	Cr.
<b>Major Course Requirements - 49 Credits Required</b>		
<i>(Select the following courses)</i>		
BSC 2023	Hum Bio Anat & Physiology	3
CET 2114C	Fund of Digital Circuitry	4
CET 2123C	Microprocessors 1	4
CHM 1033	Chem for Health Sciences	3
CHM 1033L	Chem for Health Scien Lab	1
EET 1015C	Direct Current Circuits	4
EET 1025C	Alter Current Circuits	4
EET 1082	Intro to Electronics	3
EET 1141C	Semiconductor Fund	4
EET 2101C	Electronic Devices	4
EST 2436C	Biomed Instrum 1	3
EST 2438C	Biomed Instrum 2	3
ETD 1330	Comp Aided Draw & Design	3
HIM 2472	Medical Terminology	3
MTB 1322	Technical Mathematics 2	3

### Electives - 4 Credits Required

<i>(Select from the following courses)</i>		
CET 2142C	Advanced Digital Circuits	4
EET 1037C	Elec Computer Simult	3
EET 1142C	Transistors	4
ETD 2350	Auto CAD 2	3
MTB 1321	Tech Mathematics 1	3

### Communications - 3 Credits Required

<i>(Select the following course)</i>		
ENC 1101	English Composition 1	3

### Oral Communications - 3 Credits Required

<i>(Select the following course)</i>		
SPC 1026	Fund of Speech Communi	3

### Humanities - 3 Credits Required

<i>(Select the following course)</i>		
PHI 2604	Crit Think/Ethics	3

### Behavioral Science/Social Environment - 3 Credits Required

<i>(Select the following course)</i>		
PPE 1005	Psy of Personal Effect	3

### Mathematics/Science - 3 Credits Required

<i>(Select the following course)</i>		
MAC 1105	College Algebra	3

### Computer Competency

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**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.**



## Building Construction Technology Associate in Science

The Building Construction 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 administrative 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.
<b>Major Course Requirements - 39 Credits Required</b> (Select the following courses)		
ARC 1126	Arch Drawing 1	4
ARC 2171	Comp Aided Draft 1	4
ARC 2461	Arch Mat Const 1	4
ARC 2681	Environmental Tech	3
BCN 1272	Bldg Const Plan Int 1	3
BCN 1275	Bldg Const Plan In 2	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

<b>Electives - 10 Credits Required</b> (Select from the following courses)		
ARC 1128	Arch Drawing 2	4
ARC 2172	Comp Aided Draft 2	4
ARC 2580	Arch Structures 1	4
BCN 2925	Bldg Const Seminar	1-3
ETM 1700	Aircond Fundamental	3

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

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

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

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

<b>Mathematics/Science - 3 Credits Required</b> (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 functions 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.
<b>Major Course Requirements - 40 Credits Required</b> (Select the following courses)		
* ACG 2021	Financial Accounting	3
ACG 2021L	Financial Accounting Lab 1	1
ACG 2071	Managerial Accounting	3
ACG 2071L	Managerial Accounting Lab 1	1
BUL 2241	Business Law 1	3
or		
BUL 2130	Legal Environment	3
CGS 1060	Intro to Microcomp 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.)

<b>Communications - 6 Credits Required</b> (Select the following courses)		
ENC 1101	English Comp 1	3
ENC 1102	English Comp 2	3

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

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

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

<b>Mathematics/Science - 9 Credits Required</b> (Select from the following courses)		
MAC 1105	College Algebra	3
MAC 2233	Business Calculus	3
QMB 2100	Basic Business Stats	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.*

## 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.
<b>Major Course Requirements - 38 Credits Required</b> (Select the following courses)		
ETC 2451	Concrete Construction	3
ETD 1200	Technical Draw 1	4
ETD 1542	Structural Drafting	4
ETG 2502	Statics	3
ETG 2530C	Strength of Material	3
SUR 1101C	Surveying 1	4
SUR 1202C	Surveying 2	4
SUR 2301C	Topography & Mapping	4
SUR 2402C	Land Surveying 1	3
SUR 2403C	Land Surveying 2	3
SUR 2462C	Subdivisions	3

<b>Electives - 10 Credits Required</b> (Select from the following courses)		
EGS 1111C	Engineering Graphics	5
EGS 1220C	Basic Computer Lang	2
EGS 2020	Engin Measure & Comp	3
ETC 1250	Construction Mater	3
ETC 1930	Const/Engin Sem 1	1-3
ETC 2201	Design Insp Eng Sm 1	3
ETC 2203	Computing & Estimat	3
ETC 2210C	Geotechnics & Soils	4
ETC 2521	Hydrlics/Drain Struct	3
ETC 2562	Eng Proj Plan/Dev	3
ETG 1513C	Hydraul & Pneumatics	3
ETI 2121	Materials Testing	3
SUR 1001C	Construction Survey	3
SUR 1640C	Land Surveying Compu	3
SUR 2330C	Photogrammetry 1	3

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

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

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

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

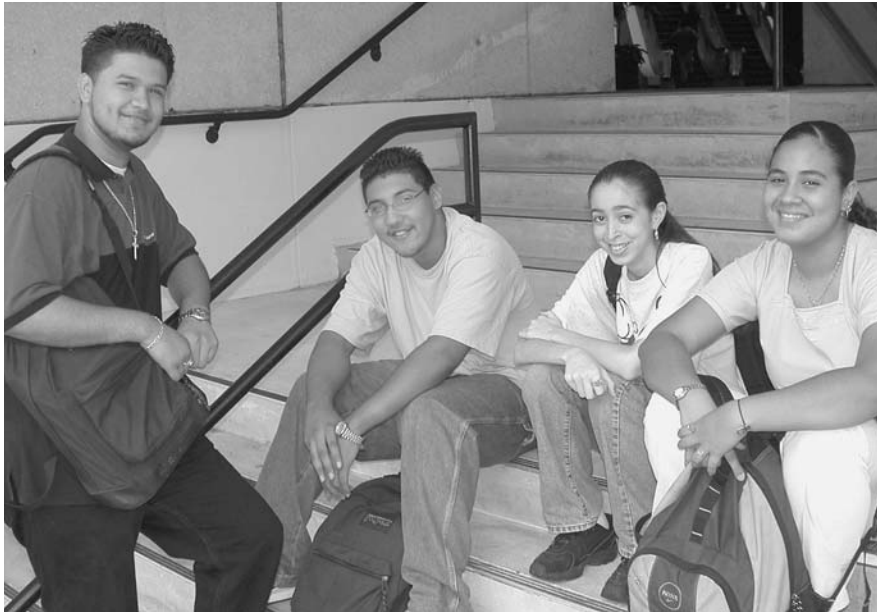
<b>Mathematics/Science - 3 Credits Required</b> (Select the following course)		
MAC 1105	College Algebra	3

**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 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 provides 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 addition to troubleshooting techniques, 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.
<b>Major Course Requirements – 46 Credits Required</b>		
<i>(Select from the following courses)</i>		
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	Advanced Digital Circuits	4
CET 2176C	Micro-Comp Serv & Maint 3	3
COP 1220	"C" Programming	4
EET 1015C	Direct Current Circuitry	4
EET 1025C	Alter Current Circuitry	4
EET 1082	Intro to Electronics	4
EET 2351	Fund Dig & Data Comm	4
MTB 1322	Tech Mathematics 2	3

<b>Electives – 7 Credits Required</b>		
<i>(Select from the following courses)</i>		
CEN 1511	Networking Tech	4
CET 2930	A+ Certification	3
EET 1141C	Semiconduct Fund	4
EET 2101C	Electronic Device	4
ETD 1330	Autocad	3
ETD 2350	Auto Cad 2	3
MTB 1321	Tech Mathematics 1	3

<b>Communications - 3 Credits Required</b>		
<i>(Select the following course)</i>		
ENC 1101	English Comp 1	3

<b>Oral Communications - 3 Credits Required</b>		
<i>(Select the following course)</i>		
SPC 1026	Fund of Speech Comm	3

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

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

<b>Mathematics/Science - 3 Credits Required</b>		
<i>(Select the following course)</i>		
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 Technology Associate in Science

The Computer Information Technology program is to provide an opportunity to establish a basic foundation in computer applications. Graduates are prepared for positions as microcomputer support specialists, user support specialists, applications system specialists and computer information managers to meet the demands of today's automated offices. In addition, program objectives are designed to assist students in their development of interpersonal and communication skills required by office professionals.

Course	Course Title	Cr.
<b>Major Course Requirements - 48 Credits Required</b>		
<i>(Select the following courses)</i>		
CGS 1060	Intro to Microcomp Usage	4
CGS 1501	Wordprocessing Applications	4
CGS 1511	Spreadsheets Applications	4
CGS 1541	Database Management	4
CGS 1560	Microcomp Oper Systems	4
CGS 1580	Desktop Publishing	4
CGS 1871	Multimedia and Animation	4
CGS 2527	MOUS PowerPoint/Outlook	4

*Choose 16 credits of computer electives (CEN\*, CGS\*, CIS\*, COP\*) under your advisor's guidance.*

<b>Communications - 3 Credits Required</b>		
<i>(Select the following course)</i>		
ENC 1101	English Comp 1	3

<b>Oral Communications - 3 Credits Required</b>		
<i>(Select the following course)</i>		
SPC 1026	Fund of Speech Comm	3

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

<b>Behavioral Science/Social Environment - 3 Credits Required</b>		
<i>(Select the following course)</i>		
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 63.**

## Computer Programming and Analysis Associate in Science

The Computer Programming and Analysis program is to provide an opportunity to establish a basic foundation in computer programming in scientific, commercial, industrial, and government data processing applications. Graduates are prepared for positions as entry-level application programmers, programmer specialists, computer programmers, and programmer analysts.

Course	Course Title	Cr.
<b>Major Course Requirements - 48 Credits Required</b>		
<i>(Select the following courses)</i>		
ACG 2021	Financial Accounting	3
ACG 2021L	Financial Accounting Lab	1
CGS 1060	Intro to Microcomp Usage	4
CGS 2405	Advanced C++ Programming 4	4
CIS 2321	Intro to Syst Analysis/Design	4
COP 1170	Intro to Visual BASIC	4
COP 1220	Intro to C++ Programming	4
COP 2171	Adv Visual BASIC Progr	4
COP 2333	Adv OOP in Visual BASIC	4
<i>or</i>		
COP 2334	Object Oriented Prog in C++4	4
COP 2800	Java Programming	4
COP 2805	Adv Java Programming	4

*Choose 8 credits of computer electives (CEN\*, CGS\*, CIS\*, COP\*) under your advisor's guidance.*

<b>Communications - 3 Credits Required</b>		
<i>(Select the following course)</i>		
ENC 1101	English Comp 1	3

<b>Oral Communications - 3 Credits Required</b>		
<i>(Select the following course)</i>		
SPC 1026	Fund of Speech Comm	3

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

<b>Behavioral Science/Social Environment - 3 Credits Required</b>		
<i>(Select the following course)</i>		
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.**



## 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 record 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.
<b>Major Course Requirements - 58 Credits Required</b> (Select the following courses)		
Him 2472	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	4
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
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### Oral Communications - 3 Credits Required

(Select the following course)

SPC 1026	Fund of Speech Comm	3
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### Humanities - 3 Credits Required

(Select the following course)

PHI 2604	Crit Think/Ethics	3
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### Behavioral Science/Social Environment - 3 Credits Required

(Select the following course)

PPE 1005	Psy of Personal Effect	3
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### Mathematics/Science - 3 Credits Required

(Select the following course)

QMB 2100	Basic Business Statistics	3
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### 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.**

#### Additional Information:

For advanced placement in OST1110, students must complete OST1100 or one year of high school typewriting 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 courses within the program, the student will be awarded the Associate in Science in Criminal Justice Technology.

Course	Course Title	Cr.
<b>Major Course Requirements – (A Selection) - 21 Credits Required</b> (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) - 12 Credits Required

(Select from the following courses)

* CCJ 1193	Com/Hum Rel Crim Jus Prac	3
* CCJ 2220	Crim Proc & Evidence 1	3
* CCJ 2230	Crim Proc & Evidence 3	3
* CJD 2724	Law Enf Invest Police Ofc	3

### Electives – (A Selection) - 16 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

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

### Communications - 3 Credits Required

(Select the following course)

ENC 1101	English Comp 1	3
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### Oral Communications - 3 Credits Required

(Select the following course)

SPC 1026	Fund of Speech Comm	3
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### Humanities- 3 Credits Required

(Select the following course)

PHI 2604	Crit Think/Ethics	3
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### Behavioral Science/Social Environment - 3 Credits Required

(Select the following course)

PPE 1005	Psy of Personal Eff	3
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### Mathematics/Science - 3 Credits Required

(Select the following course)

PSC 1515	Energy in Nat Envir	3
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### 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 A 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 Technology program is designed to provide competencies for the diverse field of criminal justice. Upon successful completion of the courses within the program, the student will be awarded the Associate in Science degree in Criminal Justice Technology.

Course	Course Title	Cr.
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### Major Course Requirements – (A Selection) - 21 Credits Required

(Select from the following courses)

CCJ 1010	Intro to Criminology	3
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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) - 12 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) - 16 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	Criminal Justice Comm	3
* CJD 2741	Emergency Preparedness	1
* CJD 2771	Crim Just Legal 2	1
* CJT 1330	DefTact 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
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**Oral Communications - 3 Credits Required**

(Select the following course)

SPC 1026	Fund of Speech Comm	3
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**Humanities - 3 Credits Required**

(Select the following course)

PHI 2604	Crit Think/Ethics	3
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**Behavioral Science/Social Environment - 3 Credits Required**

(Select the following course)

PPE 1005	Psy of Personal Eff	3
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**Mathematics/Science - 3 Credits Required**

(Select the following course)

PSC 1515	Energy in Nat Envir	3
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**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 A 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-level 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
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**Oral Communications - 3 Credits Required**

(Select the following course)

SPC 1026	Fund of Speech Comm	3
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**Humanities - 3 Credits Required**

(Select the following course)

PHI 2604	Crit Think/Ethics	3
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**Behavioral Science/Social Environment - 3 Credits Required**

(Select the following course)

PPE 1005	Psy of Personal Eff	3
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**Mathematics/Science - 3 Credits Required**

(Select the following course)

PSC 1515	Energy in Nat Envir	3
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**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.

**Database Technology Associate in Science**

The Database Technology program is designed to provide an opportunity to establish a basic foundation in the field of database administration for employment in commercial, industrial, and government institutions. Graduates are prepared for positions as database administrators and database developers.

**Course Course Title Cr.**

**Major Course Requirements - 48 Credits Required**

(Select the following courses)

CGS 1060	Intro to Microcomp Usage	4
CGS 1541	Database Management	4
COP 1170	Intro to Visual BASIC	4
COP 2171	Adv Visual BASIC Prog	4

**A. Microsoft Database Administrator – 32 Credits Required (25057)**

(Select the following courses)

CGS 1546	Microsoft SQL Administration	4
CGS 2547	Microsoft SQL Implement	4



CEN 1301	Support Win 2000 Profess	4
CEN 1304	Support Win 2000 Server	4
CEN 2305	Implem Netwrk Infrastrctre	4

Choose 12 credits of computer electives (CEN\*, CGS\*, CIS\*, COP\*) under your advisor's guidance.

### B. Oracle Database Administrator – 32 Credits Required (25058)

(Select the following courses)

COP 2740	Intro/Oracle: SQL & PL/SQL	4
COP 2741	Intro Oracle: Database Admin	4
COP 2742	Interm Oracle: Datbse Admin	4
COP 2744	Oracle Database Perf Tuning	4

Choose 16 credits of computer electives (CEN\*, CGS\*, CIS\*, COP\*) under your advisor's guidance.

### C. Microsoft Solutions Developer – 32 Credits Required (25059)

(Select the following courses)

CEN 2332	Dist Appl Visual BASIC	4
CGS 2547	Microsoft SQL Implement	4
COP 2333	Adv OOP Visual BASIC	4
COP 2061	Design Business Solutions	4

Choose 16 credits of computer electives (CEN\*, CGS\*, CIS\*, COP\*) under your advisor's guidance.

### D. Oracle Database Developer – 32 Credits Required (25060)

(Select the following courses)

COP 2740	Intro/Oracle: SQL & PL/SQL	4
COP 2745	Programm PL/SQL in Oracle	4
COP 2746	Intro/Oracle Database Appl	4
COP 2747	Interm Oracle Database Appl	4
COP 2748	Oracle Report Building	4

Choose 12 credits of computer electives (CEN\*, CGS\*, CIS\*, COP\*) under your advisor's guidance.

### Communications - 3 Credits Required

(Select the following course)

ENC 1101	English Comp 1	3
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### Oral Communications - 3 Credits Required

(Select the following course)

SPC 1026	Fund of Speech Comm	3
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### Humanities - 3 Credits Required

(Select the following course)

PHI 2604	Crit Think/Ethics	3
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### Behavioral Science/Social Environment - 3 Credits Required

(Select the following course)

PPE 1005	Psy of Personal Effect	3
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### Mathematics/ Science - 3 Credits Required

(Select the following course)

MAC 1105	College Algebra	3
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### 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.**

## 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.
<b>Major Course Requirements- 49 Credits Required</b> (Select the following courses)		
DIE 1401	Nutriton 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
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### Oral Communications - 3 Credits Required

(Select the following course)

SPC 1026	Fund of Speech Comm	3
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### Humanities - 3 Credits Required

(Select the following course)

PHI 2604	Crit Think/Ethics	3
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### Behavioral Science/Social Environment - 3 Credits Required

(Select the following course)

PPE 1005	Psy of Personal Effect	3
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### Mathematics/Science - 3 Credits Required

(Select one of the following courses)

PSC 1515	Energy/Nat Environ	3
or		
BSC 1005	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 and 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.
<b>Major Course Requirements - 40 Credits Required</b> (Select the following courses)		
EGS 1111C	Engineering Graphics	5
EGS 2020	Engin Measure & Comp	3
EGS 2033	Civilization & Engineer 1	3
ETD 1200	Technical Draw 1	4
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 1101C	Surveying 1	4

### Electives - 7 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
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### Oral Communications - 3 Credits Required

(Select the following course)

SPC 1026	Fund of Speech Comm	3
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### Humanities- 3 Credits Required

(Select the following course)

PHI 2604	Crit Think/Ethics	3
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### Behavioral Science/Social Environment - 3 Credits Required

(Select the following course)

PPE 1005	Psy of Personal Effect	3
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### Mathematics/Science - 3 Credits Required

(Select the following course)

MAC 1105	College Algebra	3
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### 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.**

## Early Childhood Education Associate in Science

The Early Childhood 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 Early Childhood Education may also earn the A.A. degree in Teaching (Pre-Elementary/Early Childhood) with some additional courses.

Course	Course Title	Cr.
<b>Major Course Requirements - 27 Credits Required</b> (Select the following courses)		
EDF 1005	Intro to Education	3
EDG 2701	Diverse Populations	3
EEC 1000	Intro/Early Child Ed	3
EEC 1200	Erlly Chldhd Curr 1	3
EEC 1311	Erlly Childhd Curr 2	3
EEC 2202	Prog Dev Early Child Educ	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

\* Recommended course

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 Anthropol	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

\*Recommended course

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

BSC 1005	Gen Ed Biology	3
* GLY 1001	Gen Ed Earth Science	3
HUN 1201	Essential of Nutrition	3
MET 1010	Intro to Weather	3
OCE 1001	Intro to Oceanography	3
* PSC 1121	Gen Ed Physical Science	3
PSC 1515	Energy in Nat Environ	3

\* Recommended course

### Electives - 6 Credits Required

(Select from the following courses)

* AMH 2020	History of US since 1877	3
ARH 1000	Art Appreciation	3
BSC 1005L	Gen Ed Biology Lab	1
DEP 2000	Human Growth & Dev	3
DEP 2100	Child Growth/Developmtn	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
LIT 2480	Issues in Lit & Culture	3
MUL 1010	Music Appreciation	3
PSY 2012	Intro to Psychology	3
SYG 2000	Intro to Sociology	3
SYG 2010	Social Problems	3
SYG 2430	Marriage & the Family	3

\*Recommended course

### Communications - 3 Credits Required

(Select the following course)

ENC 1101	English Comp 1	3
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### Oral Communications - 3 Credits Required

(Select the following course)

SPC 1026	Fund of Speech Comm	3
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### Humanities - 3 Credits Required

(Select the following course)

PHI 2604	Crit Think/Ethics	3
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### Behavioral Science/Social Environment - 3 Credits Required

(Select the following course)

PPE 1005	Psy of Personal Effect	3
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### Mathematics/Science - 3 Credits Required

(Select the following course)

MGF 1106	Math for Liberal Arts	
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### 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.

## 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.
<b>Major Course Requirements- 50 Credits Required</b>		
<i>(Select the following courses)</i>		
CET 2114C	Fund of Dig Circ	4
CET 2123C	Microprocessors	4
EET 1015C	Direct Current Circ	4

EET 1025C	Alter Current Circ	4
EET 1037C	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 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
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### Oral Communications - 3 Credits Required

(Select the following course)

SPC 1026	Fund of Speech Comm	3
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### Humanities - 3 Credits Required

(Select the following course)

PHI 2604	Crit Think/Ethics	3
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### Behavioral Science/Social Environment - 3 Credits Required

(Select the following course)

PPE 1005	Psy of Personal Effect	3
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### Mathematics/Science - 3 Credits Required

(Select the following course)

MTB 1321	Technical Math 1	3
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### 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

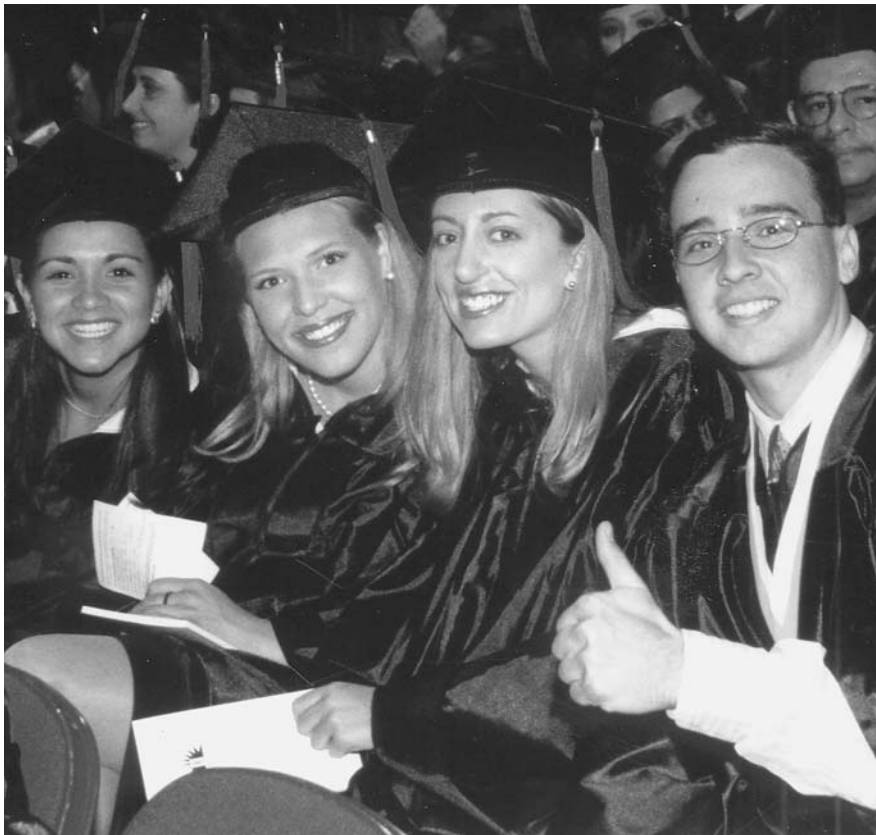
### Total credits required for Associate in Science degree is 68.

## 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.
<b>Major Course Requirements - 22 Credits Required</b>		
<i>(Select the following courses)</i>		
EVR 1015	Hazardous Mat & Environ	3
EVR 1262	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 Montng	3
EVR 1215	Open Channel Flow Meas	3
EVR 1230	Air Pollution	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 MatrIs Risk Anal	3
EVR 2641	Haz Mat Reg 2	3
EVR 2680	Haz Mat Shipping & Packing	3
EVR 2695	Adv Haz MatrIs 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 & Smpng	3
PCB 2340C	Field Biology	3

**Communications - 3 Credits Required**

*(Select the following course)*

ENC 1101	English Comp 1	3
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**Oral Communications - 3 Credits Required**

*(Select the following course)*

SPC 1026	Fund of Speech Comm	3
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**Humanities - 3 Credits Required**

*(Select the following course)*

PHI 2604	Crit Think/Ethics	3
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**Behavioral Science/Social Environment - 3 Credits Required**

*(Select the following course)*

PPE 1005	Psy of Personal Effect	3
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**Mathematics/Science - 3 Credits Required**

*(Select the following course)*

MAC 1105	College Algebra	3
<i>or</i>		
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.
<b>Major Course Requirements- 43 Credits Required</b>		
<i>(Select the following courses)</i>		
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
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**Oral Communications - 3 Credits Required**

*(Select the following course)*

SPC 1026	Fund of Speech Comm	3
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**Humanities - 3 Credits Required**

*(Select the following course)*

PHI 2604	Crit Think/Ethics	3
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**Behavioral Science/Social Environment - 3 Credits Required**

*(Select the following course)*

PPE 1005	Psy of Personal Effect	3
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**Mathematics/Science - 3 Credits Required**

*(Select one of the following courses)*

BSC 2250	Nat Hist of South Florida	3
<i>or</i>		
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.**

**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, 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.
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**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 a business advisor for additional credits needed.

### Banking Specialization – 30 Credits Required (22026)

(Select the following courses)

BAN 1004	Principles/Banking	3
BAN 1013	Negot Instru/Pay Mec	3
BAN 1231	Intro/Commer Lend	3
BAN 1240	Installment Credit	3
BAN 1800	Law & Banking	3
BAN 2210	Analyzing 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 Required (22024)

(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 Required (22025)

(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 in the Mortgage Finance option must complete CGS1060 or obtain a passing score on the Computer Competency Test (CCT).

Students completing this option must complete 7 credits of electives.

### Electives – 7-8 Credits Required

(Select from the following courses)

ACG 2070	Fin Statement Analysis	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	Analyzing Fin Statements	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	Diverse 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 Microcomp 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 Supervision	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
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### Oral Communications - 3 Credits Required

(Select the following course)

SPC 1026	Fund of Speech Comm	3
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### Humanities - 3 Credits Required

(Select the following course)

PHI 2604	Crit Think/Ethics	3
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### Behavioral Science/Social Environment - 3 Credits Required

(Select the following course)

PPE 1005	Psy of Personal Effect	3
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### Mathematics/Science - 3 Credits Required

(Select the following course)

QMB 2100	Basic Business Statistics	3
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### 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.**

## 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.
<b>Major Course Requirements - 21 Credits Required</b>		
(Select the following courses)		
EMS 1119	Emergency Med Tech	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 2300	Fire/Building Codes	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

### Electives - 17 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 2100	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	Airprt/Aircf Fire Pro	3

### Communications - 3 Credits Required

(Select the following course)

ENC 1101	English Comp 1	3
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### Oral Communications - 3 Credits Required

(Select the following course)

SPC 1026	Fund of Speech Comm	3
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### Humanities - 3 Credits Required

(Select the following course)

PHI 2604	Crit Think/Ethics	3
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### Behavioral Science/Social Environment - 3 Credits Required

(Select the following course)

PPE 1005	Psy of Personal Effect	3
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### 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.

Effective 2002-1, all students must take the International Conference of Funeral Service Examining Boards, Inc. exam during the last semester prior to graduation as required according to the American Board of Funeral Service Education.

Course	Course Title	Cr.
<b>Major Course Requirements - 57 Credits Required</b>		
(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	FnrI 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	Professional Practicum	1
<i>or</i>		
FSE 1204	Micro Comp Lit Fnrl Serv	1

**Communications - 3 Credits Required**

(Select the following course)

ENC 1101	English Comp 1	3
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**Oral Communications - 3 Credits Required**

(Select the following course)

SPC 1026	Fund of Speech Comm	3
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**Humanities - 3 Credits Required**

(Select the following course)

PHI 2604	Crit Think/Ethics	3
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**Behavioral Science/Social Environment - 3 Credits Required**

(Select the following course)

PPE 1005	Psy of Personal Effect	3
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**Mathematics/Science - 3 Credits Required**

(Select the following course)

BSC 1084	Functional Human Anatomy	3
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**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 Graphic 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.
<b>Major Course Requirements - 46 Credits Required</b>		
<i>(Select the following courses)</i>		
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
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**Oral Communications - 3 Credits Required**

(Select the following course)

SPC 1026	Fund of Speech Comm	3
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**Humanities - 3 Credits Required**

(Select the following course)

PHI 2604	Crit Think/Ethics	3
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**Behavioral Science/Social Environment - 3 Credits Required**

(Select the following course)

PPE 1005	Psy of Personal Effect	3
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**Mathematics/Science - 3 Credits Required**

(Select the following course)

MAC 1105	College Algebra	3
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**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 employability skills for the printing, publishing, electronic communication, design or advertising industries.

Course	Course Title	Cr.
<b>Major Course Requirements- 46 Credits Required</b>		
<i>(Select the following courses)</i>		
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
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**Oral Communications - 3 Credits Required***(Select the following course)*

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

PHI 2604	Crit Think/Ethics	3
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**Behavioral Science/Social Environment- 3 Credits Required***(Select the following course)*

PPE 1005	Psy of Personal Effect	3
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**Mathematics/Science - 3 Credits Required***(Select the following course)*

MAC 1105	College Algebra	3
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**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 Internet Technology Associate in Science

The Graphic Internet Technology program is designed to prepare creative students for a rewarding and challenging career as a web designer. Students will develop a wide variety of internet communications skills and will learn to design, produce and distribute communication with the internet. Graduates will work in major corporations, web design studios, internet service providers, government department, and various types of communications organizations.

Course	Course Title	Cr.
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**Major Course Requirements – 43 Credits Required***(Select the following courses)*

CGS 2833	Intra/Extranet Creation	4
GRA 1141	Graphic Imaging 2	4
GRA 1143	Interface Design 1	4
GRA 1144	Intro Graph Internet Tech	3
GRA 1145	Graphic Interface Design 2	4
GRA 1433	Graphic Imaging 1	4
GRA 1571C	Intro to Digital Imaging	4
GRA 2146	Graphic Interface Design 3	4
GRA 2147	Stream Media Creation	4
GRA 2204	Alternate Media Creation	4
GRA 2577C	Elect Photoshop	4

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

GRA 1949	Co-Op Ed Work Exp1: GRA	4
GRA 2949	Co-Op Ed Work Exp 2: GRA	4
GRA 2560C	Digital Graphic Painting	4
GRA 2578C	Adv Elec Imaging	4

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

ENC 1101	English Composition 1	3
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**Oral Communications - 3 Credits Required***(Select the following course)*

SPC 1026	Fund of Speech Communic	3
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**Humanities - 3 Credits Required***(Select the following course)*

PHI 2604	Crit Think/Ethics	3
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**Behavioral Science/Social Environment- 3 Credits Required***(Select the following course)*

PPE 1005	Psy of Personal Effect	3
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**Mathematics/Science - 3 Credits Required***(Select the following course)*

MAC 1105	College Algebra	3
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**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.**

## 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.
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**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 Housekeeping	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
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**Humanities - 3 Credits Required***(Select the following course)*

PHI 2604	Crit Think/Ethics	3
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**Behavioral Science/Social Environment - 3 Credits Required***(Select the following course)*

PPE 1005	Psy of Personal Eff	3
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**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**

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.**

## 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.
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**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 transferring 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
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**Communications - 3 Credits Required***(Select the following course)*

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

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

PHI 2604	Crit Think/Ethics	3
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**Behavioral Science/Social Environment - 3 Credits Required***(Select the following course)*

PPE 1005	Psy of Personal Effect	3
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### 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.
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### 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 2052	Arch Computer Tech	1
ARC 2053	Arch Computer Applic	4
ARC 2056	Comptr Archt Prsntns	4
ARC 2172	Comp Aided Draft 2	4
BCN 1251	Construction Drafting	3
CTE 1401	Textiles	3

### Communications - 3 Credits Required

(Select the following course)

ENC 1101	English Comp 1	3
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### Oral Communications - 3 Credits Required

(Select the following course)

SPC 1026	Fund of Speech Comm	3
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### Humanities - 3 Credits Required

(Select the following course)

PHI 2604	Crit Think/Ethics	3
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### Behavioral Science/Social Environment - 3 Credits Required

(Select the following course)

PPE 1005	Psy of Personal Effect	3
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### Mathematics/Science - 3 Credits Required

(Select the following course)

MAC 1105	College Algebra	3
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### 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.

## Internet Services Technology Associate in Science

The Internet Services Technology program is to provide an opportunity to establish a basic foundation in the field of web site design and programming for employment in commercial, industrial, and government institutions. Graduates are prepared for positions as web technicians, Web administrators, Web site developers, and Web masters.

Course	Course Title	Cr.
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### Major Course Requirements - 48 Credits Required

(Select the following courses)

CGS 1060	Intro to Microcomp Usage	4
CGS 2172	Impl Comm -Enab Web Site	4
COP 1170	Introduction to Visual BASIC	4
COP 1220	Intro to C++ Programming	4
COP 1822	Web Page Design and Progr	4
COP 2481	ASP/Script Lang Programm	4
COP 2485	Ext Markup Lang Prog (XML)	4
COP 2612	Op Sys Prin (W2k and Linux)	4
COP 2800	Java Programming	4
COP 2825	Impl Intnt Ser (IIS/Apache)	4

Choose 8 credits of computer electives (GEN\*, CGS\*, CIS\*, COP\*) under your advisor's guidance.

### Communications - 3 Credits Required

ENC 1101	English Comp 1	3
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### Oral Communications - 3 Credits Required

(Select the following course)

SPC 1026	Fund of Speech Comm	3
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### Humanities - 3 Credits Required

(Select the following course)

PHI 2604	Crit Think/Ethics	3
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### Behavioral Science/Social Environment - 3 Credits Required

(Select the following course)

PPE 1005	Psy of Personal Effect	3
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### Mathematics/Science - 3 Credits Required

(Select the following course)

MAC 1105	College Algebra	3
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### 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.*

## 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.
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### 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	Landscape 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	Landscape Tech Intshp	3
ORH 2820	Irrigation Design & Maint	3
ORH 2990	Plant Des Cad/Land Cad Proj	4
PLP 2001	Plant Pathology	3

### Communications - 3 Credits Required

(Select the following course)

ENC 1101	English Comp 1	3
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### Oral Communications - 3 Credits Required

(Select the following course)

SPC 1026	Fund of Speech Comm	3
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### Humanities - 3 Credits Required

(Select the following course)

PHI 2604	Crit Think/Ethics	3
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### Behavioral Science/Social Environment - 3 Credits Required

(Select the following course)

PPE 1005	Psy of Personal Effect	3
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### Mathematics/Science - 3 Credits Required

(Select the following course)

BOT 1010	Botany	3
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### 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.
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### Major Course Requirements A - 47 Credits Required

(Select the following courses)

ACG 2001	Prin of Accounting 1	3
ACG 20011	Prin of Account Lab 1	1
BUL 2241	Business Law 1	3
BUL 2242	Business Law 2	3
PLA 2303	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 Exp 1:PLA	3
or		
* PLA 2998	Legal Asst Internship	3
REE 2040	Real Est Prin & Prac 1	4

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

### Major Course Requirements B - 3 Credits Required

(Select 3 credits from the following courses)

+ PLA 2931	Legal Seminar	1
or		
+ PLA 2932	Legal Seminar	1
or		
+ PLA 2933	Legal Seminar	1
or		
+ PLA 2934	Legal Seminar	1
or		
+ PLA 2935	Legal Seminar	1
or		
+ PLA 2936	Legal Seminar	1

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

### 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
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### Humanities - 3 Credits Required

(Select the following course)

PHI 2604	Crit Think/Ethics	3
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### Behavioral Science/Social Environment - 3 Credits Required

(Select the following course)

PPE 1005	Psy of Personal Effect	3
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### Mathematics/Science - 3 Credits Required

(Select the following course)

PSC 1515	Energy/Nat Environ	3
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### 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:

It is necessary to see an advisor prior to beginning the program and before registering each term. Contact Jim MacDonald, Program Director or Christina DiSilvestro, Instructional Assistant at (305) 237-3048 or (305) 237-3762 for further information.

Students must complete PLA 2003, PLA 2104 and ENC 1101 prior to enrolling for PLA 2114.

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

*+ The 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 program director.

## Marketing Management Associate in Science

The Marketing Management program is designed mainly for students who intend to seek immediate employment in the fields of marketing, international business and trade, or real estate; also for those desiring to work in a non-profit institution 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.
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### Major Course Requirements - 24 Credits Required

(Select the following courses)

ACG 2021	Financial Accounting	3
ACG 2450	Microcomp Accounting	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 Required (25049)

(Select from the 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	Export Dist of Food Prod	3
MAR 2332	Merch Food & 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 Required (25048)

(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 Required (25047)

(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 Required (25050)

(Select the following course)

REE 2040	Real Est Prin & Prac 1 (P&P1)	4
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(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 Required (25054)

(Select 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 of the following courses 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
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#### Oral Communications - 3 Credits Required

(Select the following course)

SPC 1026	Fund of Speech Comm	3
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#### Humanities - 3 Credits Required

(Select the following course)

PHI 2604	Crit Think/Ethics	3
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#### Behavioral Science/Social Environment - 3 Credits Required

(Select the following course)

PPE 1005	Psy of Personal Eff	3
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#### Mathematics/Science - 3 Credits Required

(Select the following course)

QMB 2100	Basic Business Statistics	3
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#### 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.**

## 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.
<b>Major Course Requirements – (Music Business) – 15 Credits Required</b> (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
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#### Business Management Option – 20 Credits Required

(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 Required

(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 Required

(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
exam; Co-Req	MUT1241	
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 Usage	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 2640	Multi-Track Mixdown Tech	1
MUT 2641	Jazz Improvisation 1	3
MUT 2238	Intro Jazz Keybrd Harmny	1
MUT 2351	Intro Pop Music Arrange	3
PUR 2003	Public Relations	3
RTV 1000	Fund of Broadcasting	3
RTV 1241C	Television Production 1	4

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
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#### Oral Communications - 3 Credits Required

(Select the following course)

SPC 1026	Fund of Speech Comm	3
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#### Humanities - 3 Credits Required

(Select the following course)

PHI 2604	Crit Think/Ethics	3
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#### Behavioral Science/Social Environment - 3 Credits Required

(Select the following course)

PPE 1005	Psy of Personal Effect	3
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#### Mathematics/Science - 3 Credits Required

(Select the following course)

MAC 1105	College Algebra	
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#### 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:

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

## Networking Services Technology Associate in Science

The Networking Services Technology program is to provide an opportunity to establish a basic foundation in the field of network design and administration for employment in commercial, industrial, and government institutions. Graduates are prepared for positions as information technology specialists, help desk specialists, network specialists, and network systems analysts.

Course	Course Title	Cr.
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#### Major Course Requirements - 12 Credits Required

(Select the following courses)

CGS 1060	Intro to Microcomp Usage	4
COP 1170	Intro to Visual BASIC	4
CEN 1511	Network Technologies	4

#### A. Microsoft – 36 Credits Required (25061)

(Select the following courses)

CEN 1301	Supp Win 2000 Professional	4
CEN 1304	Supp Win 2000 Server	4
CEN 2305	Implm Netwrk Infrastructure	4
CEN 2306	Implment Directory Serv	4
CEN 2321	Design Win 2000 Dir Serv	4
CEN 2327	Design Win 2000 Ntwrk Infr	4
CGS 1546	Database Administration	4

Choose 8 credits of computer electives (CEN\*, CGS\*, CIS\*, COP\*) under your advisor's guidance.

#### B. Cisco – 36 Credits Required (25062)

(Select the following courses)

CET 1600	Network (Fundamentals)	4
CET 1610	Router Technology	4
CET 2615	Adv Router Technology	4
CET 2620	Project Based Learning	4

Choose 20 credits of computer electives (CEN\*, CGS\*, CIS\*, COP\*) under your advisor's guidance.



**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 63.**

**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, proof-reading, 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.
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**Major Course Requirements - 19 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
<i>or</i>		
OST 1741	Beg Word Processing	3
<i>and</i>		
OST 1741L	Beg Word Processing Lab	1
CGS 1511	Microcomp Spreadsheet	4
OST 2712L	Adv Wordprocessing Lab	1
OST 2760	Adv Word Processing	3

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

**A. Administrative Assistant Option - 16 Credits Required (25021)**

(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 (25042)**

(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 (25041)**

(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 - 13-15 Credits Required**

(Select from the following courses)

CAP 1700	Intro Com Graph Prgm	4
CDa 1522	Microcomputer Network	4
CGS 1060	Intro to Microcomp Usage	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

CGS 1580	Microcomp/Desktop Pub	4
OST 1949	Co-Op Work Exp 1: OFF	3
OST 2120	Docum/Fmtng Typwrt	3
OST 2120L	Docum/Fmtng 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.
<b>Major Course Requirements- 40 Credits Required</b>		
<i>(Select the following courses)</i>		
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	Intern Photography	4
PGY 2470	Portfolio Prep	4

### Electives - 9 Credits Required

*(Select from the following courses)*

ART 2600C	Computer Art	4
ART 2601C	Intern 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 Photography	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
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### Oral Communications - 3 Credits Required

*(Select the following course)*

SPC 1026	Fund of Speech Comm	3
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### Humanities - 3 Credits Required

*(Select the following course)*

PHI 2604	Crit Think/Ethics	3
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### Behavioral Science/Social Environment - 3 Credits Required

*(Select the following course)*

PPE 1005	Psy of Personal Effect	3
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### Mathematics/Science - 3 Credits Required

*(Select the following course)*

MAC 1105	College Algebra	3
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### 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) Certificates: Private, Commercial Pilot with Single and Multi-Engine Ratings. In addition, these certificates can be applied toward a Certified Flight Instructor (CFI) Certificate.

Course	Course Title	Cr.
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### Major Courses First Term - 10 Credits Required

*(Select the following courses)*

ASC 1210	Aviation 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 & Structures	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 Pilot 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)*

ATT 2131	Flight Inst Theory	3
ATF 2501	Flight Inst-Flight Train	3
ATF 2501L	Flight Instructor Lab	1
*** ATT 2821	ATC Radr/Non-Radr Proc	3
*** ATT 2822	VFR Tower Operations	3
*** AVM 2431	Cust Serv Agent	3
** CGS 1060	Intro Microcomp Usage	4

### Communications - 3 Credits Required

*(Select the following course)*

ENC 1101	English Comp 1	3
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### Oral Communications - 3 Credits Required

*(Select the following course)*

SPC 1026	Fund of Speech Comm	3
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### Humanities - 3 Credits Required

*(Select the following course)*

PHI 2604	Crit Think/Ethics	3
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### Behavioral Science/Social Environment - 3 Credits Required

*(Select the following course)*

PPE 1005	Psy of Personal Effect	3
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### Mathematics/Science - 3 Credits Required

*(Select the following course)*

MAC 1105	College Algebra	3
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### 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:

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 Certificate 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 these courses to pursue the air traffic control option.

## Radio and Television Broadcasting Programming Associate in Science

The Radio and Television Broadcasting 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.
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### Major Course Requirements - 46 Credits Required

*(Select the following courses)*

FIL 1281	TV/Film 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
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**Oral Communications - 3 Credits Required**

*(Select the following course)*

SPC 1026	Fund of Speech Comm	3
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**Humanities - 3 Credits Required**

*(Select the following course)*

PHI 2604	Crit Think/Ethics	3
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**Behavioral Science/Social Environment - 3 Credits Required**

*(Select the following course)*

PPE 1005	Psy of Personal Effect	3
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**Mathematics/Science - 3 Credits Required**

*(Select the following course)*

BSC 2250	Nat Hist of South Florida	3
<i>or</i>		
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.*

**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.
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**Major Course Requirements - 50 Credits Required**

*(Select the following courses)*

EHD 1400	Interpreting 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	Linguistics 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
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**Oral Communications - 3 Credits Required**

*(Select the following course)*

SPC 1026	Fund of Speech Comm	3
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**Humanities - 3 Credits Required**

*(Select the following course)*

PHI 2604	Crit Think/Ethics	3
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**Behavioral Science/Social Environment - 3 Credits Required**

*(Select the following course)*

PPE 1005	Psy of Personal Effect	3
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**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**

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.*

## 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 electronic technology for purpose of testing, maintaining, repairing, and upgrading digital as well as analog communication systems. The program is designed to be an integrated educational curriculum taught using an integrated applied and theoretical approach.

Course	Course Title	Cr.
<b>Major Course Requirements – 43 Credits Required</b>		
<i>(Select from the following courses)</i>		
CET 1173C	Networking 1	3
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

<b>Electives – 6 Credits Required</b>		
<i>(Select from the following courses)</i>		
CET 1171	Micro-Comp Serv & Maint 1	3
CET 1172C	Micro-Comp Serv & Maint 1	3
CET 2142C	Advanced Digital Circuits	4
CET 2176C	Micro-Comp Serv & Maint 3	3
ETD 1330	AutoCAD	3
MTB 1321	Tech Mathematics 1	3

<b>Communications - 3 Credits Required</b>		
<i>(Select the following course)</i>		
ENC 1101	English Comp 1	3

<b>Oral Communications - 3 Credits Required</b>		
<i>(Select the following course)</i>		
SPC 1026	Fund of Speech Comm	3

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

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

<b>Mathematics/Science - 3 Credits Required</b>		
<i>(Select the following course)</i>		
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.*

## 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.
<b>Major Course Requirements - 35 Credits Required</b>		
<i>(Select from the following courses)</i>		
TPA 1202	Intro to Entert Tech 1	3
TPA 1215	Audio Visual, Multi-Media	3
TPA 1225	Automation & Computers	3
TPA 1253	Entert Tech Technician 1	3
TPA 1254	Entert Tech Technician 2	3
TPA 1255	Conc Studio & Stage Light	4
TPA 1260	Conc Studio & Stage Snd	4
TPA 1274	Prop, Prac, Non-Elec Sp Eff	3
TPA 1275	Spec Effects: Electrified	3
TPA 1276	Craft 1	3
TPA 2277	Craft 2	3

<b>Electives - 14 Credits Required</b>		
<i>(Select from the following courses)</i>		
ART 1300C	Drawing	3-4
ART 2101C	Basic Drawing	3-4
ART 2600C	Computer Art	4
MUM 2623C	Midi Electronic Music	3
PGY 2401	Image Capture	4
TPA 2256	Costuming/Make-Up	3
TPA 2292	Production	1-3
TPA 2940	Practicum	1-6
TPP 1100	Acting 1	3

<b>Communications - 3 Credits Required</b>		
<i>(Select the following course)</i>		
ENC 1101	English Comp 1	3

<b>Oral Communications - 3 Credits Required</b>		
<i>(Select the following course)</i>		
SPC 1026	Fund of Speech Comm	3

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

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

<b>Mathematics/Science - 3 Credits Required</b>		
<i>(Select the following course)</i>		
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 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.
<b>Major Course Requirements - 45 Credits Required</b>		
<i>(Select the following courses)</i>		
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, BOT, CGS, CIS, ENCL102, ENC2200, FRE, FRW, GEA, GER, HBR, HFT, ITA, JOU, JPN, MAN, MAR, MET, MKA, OST, PGY, POR, PSY, QMB, RUS, SPN, ZOO

<b>Communications - 3 Credits Required</b>		
<i>(Select the following course)</i>		
ENC 1101	English Comp 1	3

<b>Oral Communications - 3 Credits Required</b>		
<i>(Select the following course)</i>		
SPC 1026	Fund of Speech Comm	3

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

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

<b>Mathematics/Science - 3 Credits Required</b>		
<i>(Select one of the following courses)</i>		
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

**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.*