

Associate Degree/Technical Programs

AAS • Accounting Technology

AAS.ACG.TECH (64 Credit Hours)

This program will prepare students for a position as an accountant or as an accounting para-professional in advanced professional accounting occupations requiring analysis, evaluation, theory and design.

The course work focuses on basic accounting functions as well as skills common to several fields of business, including finance, business law and general business topics.

General Education Requirements

ENC	1101	English Composition I.....	3 cr.
MGF	1119	Introductory Mathematics w/ Applications (non-transfer) or Mathematics General Education (transfer).....	3 cr.
PSY	2012	General Psychology.....	3 cr.
SYG	2000	Introduction to Sociology.....	3 cr.
		Humanities General Education.....	3 cr.

Program Required Courses

ACG	2021*	Financial Accounting.....	3 cr.
ACG	2071	Managerial Accounting.....	3 cr.
ACG	2100	Intermediate Accounting I.....	3 cr.
ACG	2110	Intermediate Accounting II.....	3 cr.
ACG	2340	Cost Accounting I.....	3 cr.
ACG	2350	Cost Accounting II.....	3 cr.
ACG	2450	Microcomputers in Accounting.....	3 cr.
CGS	1000	Introduction to Computers and Technology.....	3 cr.
CGS	2301	Management Information Systems.....	3 cr.
COP	1000	Programming Logic.....	3 cr.
ECO	1000	Introduction to Economics or ECO 2023, Principles of Microeconomics.....	3 cr.
FIN	2001	Principles of Finance.....	3 cr.
MAN	1021	Principles of Management.....	3 cr.
OST	1335	Business Communications.....	3 cr.
SPC	1006	Speech Improvement.....	1 cr.
TAX	2000	Federal Tax Accounting I.....	3 cr.
TAX	2010	Federal Tax Accounting II.....	3 cr.

* Recommended course(s) for the first semester.

AS/AAS • Aquaculture

AS.AQUA/AAS.AQUA (60 Credit Hours)

This program will provide students with the knowledge and skills for an entry-level job in the aquaculture industry as a field/farm assistant or a laboratory technician. When students graduate they may also find employment in state agencies such as the Fresh Water Fish and Wildlife Commission that oversee environment and wildlife.

General Education Requirements

ANT	2000	Introduction to Anthropology or PSY 2012, General Psychology or SYG 2000, Introduction to Sociology.....	3 cr.
ENC	1101	English Composition I.....	3 cr.
ESC	1000	Earth Science and.....	3 cr.
ESC	1000L	Earth Science Laboratory or.....	1 cr.
OCB	2000	Marine Biology and.....	3 cr.
OCB	2000L	Marine Biology Laboratory.....	1 cr.
MGF	1119	Introductory Mathematics w/ Applications (non-transfer) or Mathematics General Education (transfer).....	3 cr.
		Humanities General Education.....	3 cr.

Program Required Courses

CGS	1107	Introduction to Computers.....	1 cr.
CHM	1025	Modern Chemistry.....	3 cr.
CHM	1025L	Modern Chemistry Laboratory.....	1 cr.
FAS	1012C*	Aquacultural Organisms.....	3 cr.
FAS	1401L	Aquacultural Laboratory Techniques.....	3 cr.
FAS	1404C	Aquacultural Field Techniques.....	3 cr.
FAS	2240C	Aquacultural Nutritional Techniques.....	3 cr.
FAS	2253	Aquacultural Disease Processes.....	3 cr.
FAS	2253L	Aquacultural Disease Processes Laboratory.....	1 cr.
FAS	2263C	Aquacultural Reproductive Techniques.....	3 cr.
FAS	2353C	Aquacultural Management Practices.....	3 cr.
FAS	2941L	Aquacultural Field Experience I.....	3 cr.
FAS	2942L	Aquacultural Field Experience II.....	3 cr.
FAS	2943L	Aquacultural Field Experience III.....	3 cr.
IDS	1152C	Environmental Science.....	3 cr.
SPC	1006	Speech Improvement.....	1 cr.
ZOO	1450*	Ichthyology.....	3 cr.
ZOO	1450L*	Ichthyology Laboratory.....	1 cr.

* Recommended course(s) for the first semester.

AS/AAS • Architectural Design and Construction Technology**AS.ADCT/AAS.ADCT (66 Credit Hours)**

This program will prepare students for a position as a construction planner or as an assistant to an architect or an architectural engineer in the planning and designing of structures, using construction materials and working with contracts and specifications. If students pass the contractor's exam, they may become self-employed as contractors.

The course work in this program focuses on using the latest technology to solve problems faced by the architect, the engineer and building contractor as they apply to the planning and construction of buildings.

General Education Requirements

ENC	1101	English Composition I.....	3 cr.
MGF	1119	Introductory Mathematics w/ Applications (non-transfer) or Mathematics General Education (transfer).....	3 cr.
		Humanities General Education.....	3 cr.
		Natural Science General Education or Humanities General Education or Social Science General Education.....	3 cr.
		Social Science General Education.....	3 cr.

Program Required Courses

ARC	2304	Architectural Design IV.....	5 cr.
ARC	2461	Materials and Methods I.....	3 cr.
ARC	2501	Architectural Structures I.....	4 cr.
BCN	1210*	Construction Materials and Processes.....	3 cr.
BCN	1250*	Introduction to Graphic Technology.....	3 cr.
BCN	2272*	Blueprint Reading.....	3 cr.
BCN	2291C	Construction Materials Testing I.....	3 cr.
BCN	2939C	Construction Capstone.....	3 cr.
BCT	2770C	Construction Estimating.....	3 cr.
CGS	1107	Introduction to Computers.....	1 cr.
SPC	1006	Speech Improvement.....	1 cr.
SUR	2000C	Surveying I.....	3 cr.
TAR	1120	Architectural Drawing I.....	3 cr.
TAR	1122C	Architectural Drawing II.....	3 cr.
TAR	2053	Introduction to Computer Aided Design and Drafting.....	3 cr.
TAR	2054	Intermediate Computer Aided Design and Drafting.....	3 cr.
TAR	2055	Advanced Computer Aided Design and Drafting.....	3 cr.
		Elective.....	1 cr.

* Recommended course(s) for the first semester

AS/AAS • Business Administration**AS.BUS.MAN/AS.BUS.MAN.INT/AAS.BUS.MAN.INT/AAS.BUS.MAR****(64 Credit Hours)****AS • Business Administration and Management****AS.BUS.MAN**

The associate in science degree in Business Administration and Management prepares students 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.

NOTE: Beginning Fall Term 2000, all graduates of this program shall articulate into a business administration baccalaureate degree in the designated university program under the provision of Rule 6A-10.024, Articulation Between Universities, Community Colleges, and School Districts.

General Education Requirements

ENC	1101	English Composition I.....	3 cr.
ENC	1102	English Composition II.....	3 cr.
MAC	1105	College Algebra.....	3 cr.
SPC	1608	Public Speaking.....	3 cr.
STA	2023	Elementary Statistics.....	3 cr.
		Humanities General Education.....	3 cr.

Program Required Courses

ACG	2021*	Financial Accounting.....	3 cr.
ACG	2071	Managerial Accounting.....	3 cr.
CGS	1000*	Introduction to Computers and Technology.....	3 cr.
ECO	2013	Principles of Macroeconomics.....	3 cr.
ECO	2023	Principles of Microeconomics.....	3 cr.
FIN	2001	Principles of Finance.....	3 cr.
GEB	1011*	Introduction to Business.....	3 cr.
MAC	2233	Calculus for Business and Social Science.....	3 cr.
MAN	1021	Principles of Management.....	3 cr.
MAR	1011	Principles of Marketing.....	3 cr.

Select 16 credit hours from the following:

BUL	2241	Business Law I.....	3 cr.
BUL	2242	Business Law II.....	3 cr.
CGS	1104	Accounting Applications.....	1 cr.
CGS	1160	Desktop Information Management.....	1 cr.
CGS	1510	Spreadsheet Applications.....	1 cr.
CGS	1540	Database Management I.....	1 cr.
CGS	2301	Management Information Systems.....	3 cr.
GEB	2350	Introduction to International Business Essentials.....	3 cr.
MNA	1162	Introduction to Customer Service Technology.....	3 cr.
OST	1335	Business Communications.....	3 cr.
PHI	1600	Ethics.....	3 cr.
SBM	2000	Small Business Management.....	3 cr.
SPN	1015	Conversational Spanish for Occupational Programs.....	2 cr.

* Recommended course(s) for the first semester.

AS/AAS • Business Administration – International Business Management**AS.BUS.MAN.INT/AAS.BUS.MAN.INT****General Education Requirements**

ANT	2000	Introduction to Anthropology.....	3 cr.
ENC	1101	English Composition I.....	3 cr.
PSY	2012	General Psychology.....	3 cr.

Select 3 credit hours from the following:

HUM	2230	World Humanities: Early Modern to Contemporary	3 cr.
HUM	2410	World Humanities: Prehistory to the Early Modern Era	3 cr.
HUM	2420	African Humanities	3 cr.

Select 3 credit hours from the following:

MGF	1106	Mathematics for Liberal Arts I (transfer).....	3 cr.
MGF	1119	Introductory Mathematics w/ Applications (non-transfer)	3 cr.

Program Required Courses

ACG	2021	Financial Accounting.....	3 cr.
BUL	2241	Business Law I.....	3 cr.
BUL	2242	Business Law II.....	3 cr.
CGS	1000	Introduction to Computers and Technology	3 cr.
ECO	1000	Introduction to Economics.....	3 cr.
FIN	2001	Principles of Finance.....	3 cr.
FIN	2051	International Financial Management	3 cr.
GEB	1011	Introduction to Business	3 cr.
GEB	2350	Introduction to International Business Essentials.....	3 cr.
GEB	2370	Introduction to International Business Policy Issues.....	3 cr.
MAN	1021	Principles of Management	3 cr.
MAN	1949	Management Internship.....	3 cr.
MAN	2604	Intercultural Relations in Business	3 cr.
MAR	1011	Principles of Marketing.....	3 cr.
MAR	2150	International Marketing.....	3 cr.
OST	1335	Business Communications.....	3 cr.
SPC	1006	Speech Improvement.....	1 cr.

AAS • Business Administration Marketing**AAS.BUS.MAR****General Education Requirements**

ENC	1101	English Composition I.....	3 cr.
ENC	1102	English Composition II	3 cr.
MAC	1105	College Algebra.....	3 cr.
SPC	1608	Public Speaking	3 cr.
		Humanities General Education.....	3 cr.

Program Required Courses

ACG	2021*	Financial Accounting.....	3 cr.
ACG	2071	Managerial Accounting.....	3 cr.
CGS	1000*	Introduction to Computers and Technology	3 cr.
ECO	2013	Principles of Macroeconomics.....	3 cr.
ECO	2023	Principles of Microeconomics	3 cr.
MAC	2233	Calculus for Business and Social Science	3 cr.
STA	2023	Elementary Statistics.....	3 cr.

Select 28 credit hours from the following:

CGS	1107	Introduction to Computers.....	1 cr.
GEB	1011	Introduction to Business	3 cr.
MAR	1011	Principles of Marketing.....	3 cr.
MAR	2150	International Marketing	3 cr.
MKA	1041	Introduction to Retailing.....	3 cr.
MKA	1949	Marketing Internship.....	3 cr.
MKA	2021	Salesmanship	3 cr.
MKA	2103	Merchandising.....	3 cr.
MKA	2105	Marketing Problems	3 cr.
MKA	2162	Creative Selling	3 cr.

* Recommended course(s) for the first semester.

AS/AAS • Computer Engineering Technology

AS.CET.UNIV/AAS.CET (68 Credit Hours)

AS • Computer Engineering Technology

AS.CET.UNIV

General Education Requirements

ENC	1101	English Composition I.....	3 cr.
ENC	1102	English Composition II	3 cr.
MAC	1105	College Algebra.....	3 cr.
SPC	1608	Public Speaking.....	3 cr.
PHY	1053	General Physics I.....	3 cr.
PHY	1053L	General Physics I Laboratory	1 cr.
		Humanities General Education.....	3 cr.
		Social Science General Education	3 cr.

Program Required Courses

CET	1112C*	Basic Digital Systems.....	3 cr.
CET	1123C	Introduction to Microprocessors	3 cr.
CET	2113C	Digital Systems Analysis.....	3 cr.
CET	2152C	Advanced Microprocessors	3 cr.
CET	2939	Computer Engineering Technology Capstone	3 cr.
CGS	1000	Introduction to Computers and Technology	3 cr.
EET	1036C*	Basic AC and DC.....	3 cr.
EET	1037C	Circuit Analysis.....	3 cr.
EET	1083C*	Electronics Orientation.....	3 cr.
EET	1141C	Solid State Devices.....	3 cr.
EET	1142C	Solid State Circuits.....	3 cr.
EET	2155C	Linear Integrated Circuits.....	3 cr.
MAC	1114	Trigonometry.....	3 cr.

Select 3 credit hours from the following:

AMH	1010	Early American History	3 cr.
AMH	1020	Modern American History	3 cr.
ANT	2000	Introduction to Anthropology	3 cr.
EUH	1000	The Western World: Origins to Early Modern Europe	3 cr.
EUH	1001	The Western World: Modern Europe.....	3 cr.
POS	1001	Introduction to Political Science	3 cr.
POS	2041	American Government.....	3 cr.

Select 4 credit hours from the following:

CET	1172C	Computer Upgrade and Repair	3 cr.
CET	1174C	Advanced Computer Repair	3 cr.
CET	1556C	Structured Cabling.....	3 cr.
CET	2335C	Microcomputer Systems	3 cr.
CGS	1500	Applied Word Processing.....	1 cr.
CGS	1510	Spreadsheet Applications	1 cr.
CGS	1520	Business Graphics I.....	1 cr.
CGS	1540	Database Management I.....	1 cr.
CGS	1554	Internet Basics.....	1 cr.
COP	1000	Programming Logic.....	3 cr.
COP	1220	Programming in "C"	3 cr.
COP	1820	Visual Basic, Beginning.....	3 cr.
COP	1821	Visual Basic, Advanced.....	3 cr.
COP	2800	JAVA Programming	3 cr.
CTS	1305	Introduction to Networking.....	3 cr.
ECO	2013	Principles of Macroeconomics.....	3 cr.

* Recommended course(s) for the first semester.

AAS • Computer Engineering Technology

AAS.CET

This program will prepare students for employment in an entry-level position as a computer technician. The course work focuses on the diagnosis and repair of hardware and software in micro, mini and mainframe computers. With minimal additional specialized training, students may become a field or in-house shop technician.

General Education Requirements

ENC	1101	English Composition I.....	3 cr.
MGF	1119	Introductory Mathematics w/ Applications.....	3 cr.
PSC	1515	Energy and the Environment	3 cr.
PSC	1515L	Energy and the Environment Laboratory	1 cr.
		Humanities General Education.....	3 cr.
		Social Science General Education	3 cr.

Program Required Courses

CET	1112C*	Basic Digital Systems.....	3 cr.
CET	1123C	Introduction to Microprocessors	3 cr.
CET	1172C	Computer Upgrade and Repair	3 cr.
CET	1174C	Advanced Computer Repair	3 cr.
CET	1556C	Structured Cabling.....	3 cr.
CET	2113C	Digital Systems Analysis.....	3 cr.
CET	2152C	Advanced Microprocessors	3 cr.
CET	2939	Computer Engineering Technology Capstone	3 cr.
CGS	1000	Introduction to Computers and Technology	3 cr.
CTS	1305	Introduction to Networking	3 cr.
CTS	1327	Microsoft Windows Professional.....	3 cr.
EET	1036C*	Basic AC and DC.....	3 cr.
EET	1083C*	Electronics Orientation.....	3 cr.
EET	1141C	Solid State Devices.....	3 cr.
MTB	1327	Electronics Math.....	4 cr.

Select at least 6 credit hours from the following:

CGS	1500	Applied Word Processing.....	1 cr.
CGS	1510	Spreadsheet Applications I.....	1 cr.
CGS	1540	Database Management I.....	1 cr.
CGS	1554	Internet Basics.....	1 cr.
CGS	1555	Introduction to Internet.....	3 cr.
COP	1000	Programming Logic.....	3 cr.
COP	1220	Programming in "C"	3 cr.
COP	1820	Visual BASIC, Beginning	3 cr.
COP	1821	Visual BASIC, Advanced	3 cr.
COP	2221	Advanced "C"	3 cr.
COP	2800	JAVA Programming	3 cr.
COP	2822	CGI Scripting for the Web	3 cr.

* Recommended course(s) for the first semester.

AS/AAS • Computer Information Administrator

AS.CIA/AAS.CIA (63 Credit Hours)

This program prepares students for jobs in the field of PC support specialist, help desk specialist, microcomputer specialist, software specialist, and information systems specialist. Students who can demonstrate proficiency in CGS 1500, OST 1831, and OST 1832 can substitute an approved three credit hour selected elective course.

General Education Requirements

ENC	1101	English Composition I.....	3 cr.
ENC	1102	English Composition II or Social Science General Education	3 cr.
MGF	1119	Introductory Mathematics w/ Applications (non-transfer) or Mathematics General Education (transfer)	3 cr.
		Humanities General Education.....	3 cr.
		Natural Science or Social Science General Education.....	3 cr.

Program Required Courses

CET	1172C	Computer Upgrading and Repair	3 cr.
CET	1174C	Advanced Computer Repair	3 cr.
CGS	1000*	Introduction to Computers and Technology	3 cr.
CGS	1555	Introduction to the Internet	3 cr.
CGS	1577	Presentations Systems	3 cr.
CGS	1761	Computer Operating Systems.....	3 cr.
CGS	2301	Management Information Systems	3 cr.
CGS	2541	Database Design.....	3 cr.
CIS	1931	Microcomputer Concepts	3 cr.
CIS	2321	Systems Analysis.....	3 cr.
CIS	2939	Computer Information Administrator Capstone	3 cr.
CNT	1401	Introduction to Network Security	3 cr.
COP	1000	Programming Logic.....	3 cr.
COP	1820	Visual BASIC, Beginning	3 cr.
CTS	1305	Introduction to Networking.....	3 cr.

Select at least 3 credit hours from the following:

CET	1556C	Structured Cabling.....	3 cr.
CGS	1160	Desktop Information Management	1 cr.
CGS	1510	Spreadsheet Applications I.....	1 cr.
CGS	1871	Multimedia Authoring I.....	3 cr.
CGS	2511	Spreadsheet Applications II.....	1 cr.
CGS	2512	Spreadsheet Applications III.....	1 cr.
CGS	2825	Web Site Management.....	3 cr.
CGS	2874	Multimedia Authoring II	3 cr.
CNT	2405	Advanced Internetworking Security	3 cr.
CNT	2941	Computer Information Internship.....	3 cr.
COP	1821	Visual Basic, Advanced.....	3 cr.
COP	2823	Graphics Design for Multimedia/ Internet.....	3 cr.
COP	2826	Advanced Graphics Design for Multimedia/Internet	3 cr.
CTS	1106	Introduction to UNIX	3 cr.
CTS	1306	Microsoft Windows Implementing and Supporting a Network	3 cr.
CTS	1328	Microsoft Windows Server	3 cr.
CTS	2301	Unix/Linux Administration I	3 cr.
OST	1142	Keyboarding I.....	1 cr.
OST	1335	Business Communications.....	3 cr.
OST	1741	Word Processing I.....	1 cr.
OST	1813	Desktop Publishing.....	3 cr.
OST	1825	Desktop Design	3 cr.
OST	1831	Introduction to Windows I.....	1 cr.
OST	1832	Introduction to Windows II.....	1 cr.
OST	2742	Word Processing II.....	1 cr.

* Recommended course(s) for the first semester.

AS/AAS • Computer Programming

AS.COP/AAS.COP (63 Credit Hours)

This program prepares students for jobs in the field of computer programmer aide, junior programmer, senior programmer, data manager, programmer analyst, and mid-range computer specialist.

General Education Requirements

ENC	1101	English Composition I.....	3 cr.
ENC	1102	English Composition II or Social Science General Education	3 cr.
MGF	1119	Introductory Mathematics w/ Applications (non-transfer) or Mathematics General Education (transfer)	3 cr.
		Humanities General Education.....	3 cr.
		Social Science General Education	3 cr.

Program Required Courses

CGS	1000*	Introduction to Computers and Technology	3 cr.
CGS	1761	Computer Operation Systems.....	3 cr.
CGS	2301	Management Info. Systems.....	3 cr.
CGS	2541	Database Design.....	3 cr.
CIS	2321	Systems Analysis.....	3 cr.
COP	1000	Programming Logic.....	3 cr.
COP	1120	COBOL, Beginning	3 cr.
COP	1220	Programming in "C"	3 cr.
COP	1812	Introduction to XML.....	3 cr.
COP	1820	Visual BASIC, Beginning	3 cr.
COP	2360	Programming in C#	3 cr.
COP	2800	JAVA Programming	3 cr.
COP	2805	JAVA, Advanced.....	3 cr.
COP	2939	Computer Programming Capstone.....	3 cr.
CTS	1106	Introduction to UNIX	3 cr.

Select at least 3 specified elective credits from the following:

CDA	1162	Telecommunications.....	3 cr.
CGS	1936	Perl and CGI	3 cr.
COP	1821	Visual BASIC, Advanced	3 cr.
COP	2121	COBOL, Intermediate.....	3 cr.
COP	2224	Programming in C++.....	3 cr.
COP	2344	Shell Scripting	3 cr.
COP	2740	Database Programming - SQL	3 cr.
COP	2822	Scripting for the Web.....	3 cr.
COP	2940	Computer Programming Internship	3 cr.
CTS	1305	Introduction to Networking.....	3 cr.
CTS	2301	Unix/Linux Administration I	3 cr.

* Recommended course(s) for the first semester.

AAS • Construction Management Technology

AAS.BCT (67 Credit Hours)

General Education Requirements

ENC	1101	English Composition I.....	3 cr.
ESC	1000	Earth Science	3 cr.
ESC	1000L	Earth Science Laboratory	1 cr.
MGF	1106	Mathematics for Liberal Arts I or higher mathematics general education.....	3 cr.
PHI	1600	Ethics	3 cr.
PSY	2012	General Psychology	3 cr.

Program Required Courses

BCN	1210	Construction Materials and Processes	3 cr.
BCN	1250	Introduction to Graphic Technology	3 cr.
BCN	2272	Blueprint Reading	3 cr.
BCN	2405	Structural Design	3 cr.
BCN	2942C	Construction Internship	3 cr.
BCT	1720	Construction Methods	3 cr.
BCT	1760	Building Codes and Safety Regulations	3 cr.
BCT	2705	Construction Management	3 cr.
BCT	2730	Construction Supervision	3 cr.
BCT	2743	Construction Law	3 cr.
BCT	2750	Building Construction Contracts and Finance	3 cr.
BCT	2770C	Construction Estimating	3 cr.
CGS	1000	Introduction to Computers and Technology	3 cr.
EVS	2893C	Environmental Sampling and Analysis I	5 cr.
PHY	1025	Fundamentals of Physics Laboratory	1 cr.
PHY	1025	Fundamentals of Physics	3 cr.
SUR	2000C	Surveying I	3 cr.

AS • Criminal Justice Technology**AS.CJT (64 Credit Hours)**

The Criminal Justice associate in science degree program (AS to BS) offers students a broad background in the history, philosophy, organization, management and operation of the criminal justice system. Upon completion, this AS degree opens up entry-level, non-sworn (see Note 1) 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. It can also be the first step toward a career in law.

The AS degree will transfer into similar upper division programs in certain Florida universities and colleges, but students wishing to transfer must accept the responsibility for securing approval in advance from the transfer institution.

For students interested in a two-year degree in criminal justice, this program will prepare them to work in law enforcement in agencies such as police departments, sheriff's offices, correctional institutions, criminal and juvenile courts, crime laboratories or crime scene units dealing with physical evidence and will also help them develop the educational skills needed to advance into and within various law enforcement related fields such as police work and corrections and law.

For more information, students can refer to the Criminal Justice Technology website at www.hccfl.edu/yborcampus/cjt for specific details.

NOTE 1: Beginning Fall Term 2004, all graduates of this program shall articulate into a criminal justice baccalaureate degree in the designated university program under the provision of Rule 6A-10.024, Articulation between Universities, Community Colleges, and School Districts.

General Education Requirements

ENC	1101	English Composition I	3 cr.
PHI	1010	Introduction to Philosophy or PHI 1100, Elementary Logic or PHI 1600, Ethics	3 cr.
POS	2041	American Government	3 cr.
PSY	2012	General Psychology	3 cr.
SYG	2000	Introduction to Sociology	3 cr.
		Mathematics General Education	3 cr.

Program Required Courses

CCJ	1010**	Introduction to Criminology	3 cr.
CCJ	1020**	Introduction to Criminal Justice	3 cr.
CCJ	2910	Directed Research	3 cr.
CCJ	2940	Criminal Justice Internship	3 cr.
CJE	2004	Career Choices in Criminal Justice	1 cr.
CJJ	1002	Juvenile Delinquency	3 cr.
CJL	1100	Criminal Law	3 cr.
CJL	1062	Constitutional Law	3 cr.
CJL	2130	Criminal Evidence and Procedure	3 cr.

Select 3 credit hours from the following:

CJC	1000	Introduction to Corrections	3 cr.
CJE	1000	Introduction to Law Enforcement	3 cr.
CJE	1640	Introduction to Criminalistics	3 cr.
CJL	1500	Introduction to the Court System	3 cr.

Select 18 credit hours from the following:

CCJ	1935	Seminar on Criminal Justice Issues	3 cr.
CCJ	2013	Introduction to Victimology	3 cr.
CCJ	2191	Human Behavior in Criminal Justice	3 cr.
CCJ	2610	Introduction to Criminal Typologies	3 cr.
CCJ	2618	Forensic Psychology	3 cr.
CCJ	2648	Organized Crime.....	3 cr.
CJC	1000*	Introduction to Corrections	3 cr.
CJC	2162	Probation and Parole	3 cr.
CJE	1000*	Introduction to Law Enforcement	3 cr.
CJE	1640*	Introduction to Criminalistics	3 cr.
CJE	1642C	Introduction to Crime Scene Technology	3 cr.
CJE	1643C	Advanced Crime Scene Technology	3 cr.
CJE	1653	Introduction to Crime Analysis and Intelligence	3 cr.
CJE	1680	Introduction to Computer Crimes.....	3 cr.
CJE	2170	Comparative Police and Criminal Justice Systems	3 cr.
CJE	2233	Drug Abuse and Crime.....	3 cr.
CJE	2300	Police Administration and Organization	3 cr.
CJE	2400	Community Relations.....	3 cr.
CJE	2600	Criminal Investigation.....	3 cr.
CJE	2611	The Investigative Cycle from Crime Scene to Court.....	3 cr.
CJE	2614	Serial Killers	3 cr.
CJL	1070	Legal Rights of Prisoners	3 cr.
CJL	1500*	Introduction to the Court System	3 cr.
CJL	2072	Civil Rights and Liability in Criminal Justice	3 cr.
CJL	2610	Courtroom Presentation of Scientific Evidence.....	3 cr.
DSC	1002	Introduction to Terrorism	3 cr.
DSC	1003	Introduction to Homeland Security	3 cr.
DSC	2033	Weapons of Mass Destruction.....	3 cr.
SCC	1000	Introduction to Security	3 cr.
SCC	1001	Introduction to Private Investigation.....	3 cr.

*May be taken if not previously chosen from the "Select 3 credit hours from the following" category.

** Recommended course(s) for the first semester.

NOTE 2: Regardless of degree work completed, in order to be a sworn law enforcement, corrections, or probation officer in the State of Florida, candidates must successfully complete a state mandated training academy such as those offered by Hillsborough Community College's Criminal Justice Institute.

NOTE 3: Students who have successfully completed a Florida police or correction academy will be eligible for articulated credit toward this degree. Refer to the Criminal Justice Technology website at www.hccfl.edu/yborcampus/cjt for specific details.

AAS • Criminal Justice Technology

AAS.CJT.OFR (64 Credit Hours)

This program will give law enforcement and corrections officers, as well as law enforcement and corrections academy graduates, a path toward an associate degree. Law enforcement and corrections officers, as well as law enforcement and corrections academy graduates, will be given articulated credit for successfully completing a Florida academy. For more information, student can refer to the Criminal Justice Technology website at www.hccfl.edu/yborcampus/cjt for specific details.

NOTE 1: Regardless of degree work completed, in order to be a sworn law enforcement, corrections, or probation officer in the State of Florida, candidates must successfully complete a state mandated training academy such as those offered by Hillsborough Community College's Criminal Justice Institute.

General Education Requirements

ENC	1101	English Composition I.....	3 cr.
PHI	1010	Introduction to Philosophy or PHI 1100, Elementary Logic or PHI 1600, Ethics.....	3 cr.
		Mathematics General Education.....	3 cr.

Select 6 credit hours from the following Program Specified General Education Requirements:

POS	2041	American Government.....	3 cr.
PSY	2012	General Psychology.....	3 cr.
SYG	2000	Introduction to Sociology.....	3 cr.

Program Required Course

CJE	2004	Career Choices in Criminal Justice.....	1 cr.
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Articulated Credit - 48 cr.

Students who have successfully completed a Florida police or correction academy or both will be eligible for between 27 and 39 articulated credits toward this degree. Refer to the Criminal Justice Technology website at www.hccfl.edu/yborcampus/cjt for specific details.

The balance of the 48 articulated credits must be chosen from the following list of courses:**Group A: Select 6 credit hours from the following:**

CCJ	1010	Introduction to Criminology.....	3 cr.
CCJ	1020	Introduction to Criminal Justice.....	3 cr.
CJJ	1002	Juvenile Delinquency.....	3 cr.
CJL	1062	Constitutional Law.....	3 cr.
CJL	1100	Criminal Law.....	3 cr.
CJL	2130	Criminal Evidence and Procedures.....	3 cr.

Group B: Select remaining credit hours from the following or any courses in Group A not already selected.

CCJ	1935	Seminar on Justice Issues.....	3 cr.
CCJ	2013	Introduction to Victimology.....	3 cr.
CCJ	2191	Human Behavior in Criminal Justice.....	3 cr.
CCJ	2610	Introduction to Criminal Typologies.....	3 cr.
CCJ	2618	Forensic Psychology.....	3 cr.
CCJ	2648	Organized Crime.....	3 cr.
CCJ	2910	Directed Research.....	3 cr.
CCJ	2940	Criminal Justice Internship.....	3 cr.
CJC	1000	Introduction to Corrections.....	3 cr.
CJC	2162	Probation and Parole.....	3 cr.
CJE	1000	Introduction to Law Enforcement.....	3 cr.
CJE	1640	Introduction to Criminalistics.....	3 cr.
CJE	1642C	Introduction to Crime Scene Technology.....	3 cr.
CJE	1643C	Advanced Crime Scene Technology.....	3 cr.
CJE	1653	Introduction to Crime Analysis and Intelligence.....	3 cr.
CJE	1680	Introduction to Computer Crimes.....	3 cr.
CJE	2170	Comparative Police and Criminal Justice Systems.....	3 cr.
CJE	2233	Drug Abuse and Crime.....	3 cr.
CJE	2300	Police Administration and Organization.....	3 cr.
CJE	2400	Community Relations.....	3 cr.
CJE	2600	Criminal Investigation.....	3 cr.
CJE	2611	The Investigative Cycle from Crime Scene to Court.....	3 cr.
CJE	2614	Serial Killers.....	3 cr.
CJL	1070	Legal Rights of Prisoners.....	3 cr.
CJL	1500	Introduction to the Court System.....	3 cr.
CJL	2072	Civil Rights and Liability in Criminal Justice.....	3 cr.
CJL	2610	Courtroom Presentation of Scientific Evidence.....	3 cr.
DSC	1002	Introduction to Terrorism.....	3 cr.
DSC	1003	Introduction to Homeland Security.....	3 cr.
DSC	2033	Weapons of Mass Destruction.....	3 cr.
SCC	1000	Introduction to Security.....	3 cr.
SCC	1001	Introduction to Private Investigation.....	3 cr.

AS/AAS • Culinary Management

AS.CUL.CULA/AAS.CUL.CULA (64 Credit Hours)

This program will provide students with the skills necessary for employment as a restaurant cook or chef.

The Culinary Management program and courses are accredited by the American Culinary Federation Foundation's Accrediting Commission at 180 Center Place Way, St. Augustine, Florida 32095.

NOTE: Beginning Fall term 2008, all graduates of this program are eligible to articulate the AS degree in Culinary Management to the BS degree in Hotel and Restaurant Management at the University of Houston, Conrad N. Hilton College of Hotel and Restaurant Management.

General Education Requirements

ENC	1101	English Composition I.....	3 cr.
BSC	1005C	Biological Foundations I	3 cr.
MGF	1119	Introductory Mathematics w/ Applications (non-transfer) or Mathematics General Education (transfer)	3 cr.
		Humanities General Education.....	3 cr.
PSY	2012	General Psychology	3 cr.

Program Required Courses

CGS	1107	Introduction to Computers.....	1 cr.
FOS	1201*	Sanitation and Safety Management.....	2 cr.
FSS	1223*	Food Preparation for Managers.....	4 cr.
FSS	1246C	Food Specialty I (Baking).....	3 cr.
FSS	1248C	Food Specialty II (Garde Manger I).....	3 cr.
FSS	1249C	Food Specialty III (Garde Manger II)	3 cr.
FSS	1500	Food and Beverage Control.....	3 cr.
FSS	1941	Food Practicum I.....	2 cr.
FSS	1942	Food Practicum II.....	2 cr.
FSS	1943	Food Practicum III	2 cr.
FSS	1944	Food Practicum IV	2 cr.
FSS	1945	Food Practicum V.....	2 cr.
FSS	2110*	Food Plan and Menu Preparation	3 cr.
FSS	2120	Food Purchasing and Storage	3 cr.
FSS	2271	Beverage Management Service	3 cr.
HFT	2210	Supervisory Development.....	3 cr.
HFT	2840	Maitre d' and Dining Room Service.....	3 cr.
HUN	2201	Fundamentals of Human Nutrition	3 cr.
SPC	1006	Speech Improvement.....	1 cr.
		Elective.....	1 cr.

* Recommended course(s) for the first semester.

AS/AAS • Database Technology

AS.DB.TECH/AAS.DB.TECH (63 credit hours)

The Database Technology program provides students with a general approach to database design, programming and administration.

General Education Requirements

ENC	1101	English Composition I.....	3 cr.
ENC	1102	English Composition II	3 cr.
MGF	1119	Introductory Mathematics w/ Applications (non-transfer) or Mathematics General Education (transfer)	3 cr.
		Humanities General Education.....	3 cr.
		Social Science General Education	3 cr.

Program Required Courses

CGS	1000*	Introduction to Computers and Technology	3 cr.
CGS	1103	Project Management	3 cr.
CGS	1354	Introduction to Security	3 cr.
CGS	2301	Management Information Systems	3 cr.
CGS	2541	Database Design	3 cr.
CIS	2321	Systems Analysis	3 cr.
COP	1000	Programming Logic	3 cr.
COP	2740	Database Programming SQL	3 cr.
CTS	1305	Introduction to Networking	3 cr.
CTS	2441	Database Administration I	3 cr.
CTS	2442	Database Administration II	3 cr.
CTS	2445	Database Programming Advanced	3 cr.
CTS	2939	Database Technology Capstone	3 cr.
		Computer Science Electives	9 cr.

* Recommended course(s) for the first semester.

AS • Dietetic Technician**AS.DIET.TECH (64 credit hours)**

The Dietetic Technician program prepares students to function at the generalist level of dietetic care under the supervision of a registered dietician. Duties include supervision of employees, menu planning, diet instruction, food purchasing and supervision of food production. The multi-disciplinary training (culinary, hospitality and dietetics) will enable graduates to use culinary arts and food service management skills in a variety of traditional and non-traditional job settings.

NOTE: The Dietetic Technician AS degree is currently granted candidacy for accreditation by the Commission on Accreditation for Dietetics Education of the American Dietetic Association, 120 S Riverside Plaza, Suite 2000, Chicago, IL 60606-6995, 312-899-0040 x 5400. Graduates of a CADE accredited Dietetic Technician program are eligible to write the Commission on Dietetic Registration (CDR) registration examination for dietetic technicians.

General Education Requirements

BSC	1092C	Human Biology	3 cr.
ENC	1101	English Composition I	3 cr.
MAC	1105	College Algebra	3 cr.
PSY	2012	General Psychology	3 cr.
		Humanities General Education	3 cr.

Program Required Courses

APA	1321	Hospitality Accounting	3 cr.
CGS	1000*	Introduction to Computers and Technology	3 cr.
DIE	2000	Introduction to Dietetics	3 cr.
DIE	2270	Clinical Nutrition I	3 cr.
DIE	2271	Clinical Nutrition II	3 cr.
DIE	2401	Nutrition Education and Interviewing	3 cr.
DIE	2419	Nutrition Education Practicum	2 cr.
DIE	2533	Clinical Practicum	2 cr.
FOS	1201	Sanitation and Safety Management	2 cr.
FSS	1223	Food Preparation for Managers	4 cr.
FSS	1941	Food Practicum I	2 cr.
FSS	2110	Food Plans and Menu Preparation	3 cr.
FSS	2120	Food Purchase and Storage	3 cr.
HFT	2210	Supervisory Development	3 cr.
HSC	1531	Medical Terminology	3 cr.
HUN	2201*	Fundamentals of Human Nutrition	3 cr.
MCB	1060	Food Microbiology	3 cr.
MCB	1060L	Food Microbiology Laboratory	1 cr.

* Recommended course(s) for the first semester.

AS/AAS • Digital Media/Multimedia Technology

AS.MMT/AAS.MMT (64 Credit Hours)

This program prepares students for jobs such as desktop publisher, production designer, electronic publisher, illustrator, multimedia specialist, multimedia presentation developer, interface designer, computer graphic designer, and project manager.

General Education Requirements

Note: The following general education requirements apply to Game Design, and Development and Multimedia Developer.

ENC	1101	English Composition I.....	3 cr.
ENC	1102	English Composition II or Social Science General Education	3 cr.
MGF	1119	Introductory Mathematics w/ Applications (non-transfer) or Mathematics General Education (transfer)	3 cr.
		Humanities General Education.....	3 cr.
		Social Science General Education	3 cr.

NOTE: Select either the Game Design and Development program required courses or the Multimedia Developer program required courses to complete the Digital Media/Multimedia Technology degree.

Game Design and Development

Program Required Courses

CAP	1023	Introduction to Game Development	3 cr.
CAP	2042	Game Design and Development.....	3 cr.
CAP	2043	Advanced Game Design and Development.....	3 cr.
CAP	2939	Digital Media/Multimedia Technology Capstone	3 cr.
CGS	1000	Introduction Computers and Technology	3 cr.
CGS	1871	Multimedia Authoring I.....	3 cr.
CGS	2874	Multimedia Authoring II	3 cr.
CGS	2876	Digital Audio/Video Design.....	3 cr.
CGS	2877	Digital Animation Design.....	3 cr.
COP	2823	Graphics Design for Multimedia/Internet.....	3 cr.
COP	2826	Advanced Graphics Design for Multimedia/Internet	3 cr.

Select at least 16 specified elective credits from the following:

EME	2040	Introduction to Technology for Educators.....	3 cr.
OST	1813	Desktop Publishing.....	3 cr.
OST	1825	Desktop Design	3 cr.

Any courses with prefix: CEN, CET, CGS, CIS, COP, CNT or CTS

Multimedia Developer

Program Required Courses

CAP	2939	Digital Media/Multimedia Technology Capstone	3 cr.
CGS	1000	Introduction Computers and Technology	3 cr.
CGS	1577	Presentation Systems.....	3 cr.
CGS	1871	Multimedia Authoring I.....	3 cr.
CGS	2874	Multimedia Authoring II	3 cr.
CGS	2876	Digital Audio/Video Design.....	3 cr.
CGS	2877	Digital Animation Design.....	3 cr.
COP	1000	Programming Logic.....	3 cr.
COP	2822	Scripting for the Web.....	3 cr.
COP	2823	Graphics Design for Multimedia/Internet.....	3 cr.
COP	2826	Advanced Graphics Design for Multimedia/Internet	3 cr.
EME	2040	Introduction to Educational Technology.....	3 cr.

Select at least 13 specified elective credits from the following:

OST	1813	Desktop Publishing.....	3 cr.
OST	1825	Desktop Design	3 cr.

Any courses with prefix: CAP, CGS, CIS, COP, CTS

AS/AAS • Digital Television and Media Production

AS.DIG.RTV/AAS.DIG.RTV (64 Credit Hours)

This hands-on, skills-based program will prepare students for careers in television, radio, and media production for the Internet. Students will learn to produce music videos, talk shows, sports programs, music shows, concerts, and news shows for television, radio and the Internet using professional video cameras, high-quality nonlinear video editing equipment, and professional audio editing software. Students can gain valuable experience by broadcasting on the college's radio station and the educational TV cable channel.

General Education Requirements

ENC	1101	English Composition I.....	3 cr.
ENC	1102	English Composition II	3 cr.
MGF	1119	Introductory Mathematics w/ Applications (non-transfer) or MGF 1106, Mathematics for Liberal Arts I (transfer).....	3 cr.
PSY	2012	General Psychology or SYG 2000, Introduction to Sociology	3 cr.
SPC	1608	Public Speaking	3 cr.
		Humanities General Education.....	3 cr.

Program Required Courses

CGS	1000*	Introduction to Computers and Technology	3 cr.
CGS	1871	Multimedia Authoring I.....	3 cr.
CGS	2877	Digital Animation Design.....	3 cr.
COP	2823	Graphics Design for Multimedia/Internet.....	3 cr.
FIL	2931*	Careers in Film and Video.....	1 cr.
RTV	1245	Electronic Field Production	3 cr.
RTV	1941	Radio/TV Internship I.....	3 cr.
RTV	2000*	Introduction to Broadcasting.....	3 cr.
RTV	2201	Broadcasting Techniques	3 cr.
RTV	2242	Advanced Television Studio Production.....	3 cr.
RTV	2246	Advanced Electronic Field Production.....	3 cr.
RTV	2270	Radio Production and Programming.....	3 cr.
RTV	2300	Broadcast News.....	3 cr.
RTV	2460	Broadcast Practicum	3 cr.
RTV	2942	Radio/TV Internship II	3 cr.
VIC	1202	Film and TV Graphics	3 cr.

* Recommended course(s) for the first semester.

AS/AAS • Early Childhood Management

AS.CHILD/AAS.CHILD (63 Credit Hours)

This program will prepare students for a variety of careers in the early childhood area and will give students the competencies and practical experience needed for the Child Development Associate Equivalency (CDA-E) for the State of Florida. The course work focuses on the development, care, guidance and education of young children.

General Education Requirements

ENC	1101	English Composition I.....	3 cr.
MGF	1119	Introductory Mathematics w/ Applications (non-transfer) or Mathematics General Education (transfer)	3 cr.
PSY	2012	General Psychology	3 cr.
SYG	2000	Introduction to Sociology	3 cr.
		Humanities General Education.....	3 cr.

Program Required Courses

ACG	2021	Financial Accounting or APA 1111 Basic Accounting.....	3 cr.
CGS	1107	Introduction to Computers.....	1 cr.
DEP	2102	Child Development.....	3 cr.
EDF	1005*	Introduction to the Teaching Profession	3 cr.
EEC	1300*	Planning the Early Childhood Program	3 cr.
EEC	1308	Enhancing Intellectual Development in the Early Childhood Setting	3 cr.
EEC	1311	Crafts in the Early Childhood Setting.....	3 cr.
EEC	1401	The Family and Early Childhood Education	3 cr.
EEC	1521*	Operation of Early Childhood Center - Management.....	3 cr.
EEC	1721	Enhancing Physical Development in the Early Childhood Setting.....	3 cr.
EEC	1941	Child Care Practicum I.....	3 cr.
EEC	1943	Child Care Practicum II.....	3 cr.
EEC	2270	Meeting the Special Needs of Children in Groups	3 cr.
EEC	2271	Children with Special Needs.....	3 cr.

OST	1335	Business Communications.....	3 cr.
SBM	2000	Small Business Management.....	3 cr.
SPC	1006	Speech Improvement.....	1 cr.
		Elective.....	1 cr.

* Recommended course(s) for the first semester.

In accordance with the State of Florida Statewide Articulation Manual, a student who receives a National Child Development Associate Credential, Florida Child Care Professional Credential or equivalent Staff Credential may articulate nine credits (EEC 1300, EEC 1311 and EEC 1941) toward the AS/AAS degree in Early Childhood Management.

Each practicum course will require 240 hours of work with children in a licensed child care setting, 20 hours of which must be completed at HCC's Child Development Lab School. Hours are completed during the term the student is registered for practicum.

ECPC (Early Childhood Professional Certificate)

Every licensed child care facility must have one child care professional with a staff credential for every twenty children in care. HCC provides training for the Early Childhood Professional Certificate, a DCF and DOE approved pre-school staff credential. The Early Childhood Professional Certificate is based upon eight child care content areas. Preparation includes 45 hours of State-mandated training, child care curriculum coursework, 480 hours of direct work with children 5 years of age or younger, and preparation of a professional resource portfolio.

Individuals interested in obtaining the ECPC from Hillsborough Community College must complete an intent form. Forms may be obtained from the early childhood department by contacting (813) 253-7956.

AS/AAS • Electronics Engineering Technology

AS.EET.UNIV/AAS.EET (68 Credit Hours)

This program will prepare a student for an entry-level position as an electronics engineering technician. Technicians assist engineers in planning, research, development and design.

The course work focuses on the skills needed for troubleshooting electronic equipment, performing operations, calculations, testing and reporting.

NOTE: Beginning Fall Term 2000, all graduates of this program shall articulate into an Electronics Engineering Technology baccalaureate degree in the designated university program under the provision of Rule 6A-10.024, Articulation Between Universities, Community Colleges, and School Districts.

General Education Requirements

ENC	1101	English Composition I.....	3 cr.
ENC	1102	English Composition II.....	3 cr.
MAC	1105	College Algebra.....	3 cr.
PHY	1053	General Physics I.....	3 cr.
PHY	1053L	General Physics I Laboratory.....	1 cr.
SPC	1608	Public Speaking.....	3 cr.
		Humanities General Education.....	3 cr.
		Social Science General Education.....	6 cr.

Program Required Courses

CET	1112C*	Basic Digital Systems.....	3 cr.
CET	1123C	Introduction to Microprocessors.....	3 cr.
CET	2113C	Digital Systems Analysis.....	3 cr.
CGS	1000	Introduction to Computers and Technology.....	3 cr.
COP	1000	Programming Logic.....	3 cr.
EET	1036C*	Basic AC and DC.....	3 cr.
EET	1037C	Circuit Analysis.....	3 cr.
EET	1083C*	Electronics Orientation.....	3 cr.
EET	1141C	Solid State Devices.....	3 cr.
EET	1142C	Solid State Circuits.....	3 cr.
EET	2155C	Linear Integrated Circuits.....	3 cr.
EET	2939	Electronics Engineering Technology Capstone.....	3 cr.
MAC	1114	Trigonometry.....	3 cr.

Select 1 specified elective credit from the following (Group A):

CET	1172C	Computer Upgrading and Repair.....	3 cr.
CET	1174C	Advanced Computer Repair.....	3 cr.
CET	1556C	Structured Cabling.....	3 cr.
CET	2152C	Advanced Microprocessors.....	3 cr.
CET	2335C	Microcomputer Systems.....	3 cr.
CGS	1500	Applied Word Processing.....	1 cr.
CGS	1510	Spreadsheet Applications.....	1 cr.
CGS	1520	Business Graphics I.....	1 cr.
CGS	1540	Database Management.....	1 cr.
CGS	1554	Internet Basics.....	1 cr.

COP	1220	Programming in "C"	3 cr.
ECO	2013	Principles of Macroeconomics.....	3 cr.
EET	1525C	Industrial Controls I	3 cr.
EET	2215L	Electronic Instruments	3 cr.
EET	2326C	Communications Systems.....	3 cr.
EET	2526C	Industrial Controls II	3 cr.
EST	1436C	Biomedical Electronics Systems I.....	3 cr.
EST	2438C	Biomedical Electronic Systems II.....	3 cr.
OST	1142	Keyboarding I.....	1 cr.

Select 3 specified elective credits from the following (Group B):

COP	1120	COBOL, Beginning	3 cr.
COP	1820	Visual BASIC, Beginning	3 cr.
COP	1821	Visual BASIC, Advance.....	3 cr.
COP	2800	JAVA Programming	3 cr.
CTS	1305	Introduction to Networking	3 cr.

* Recommended course(s) for the first semester.

AAS • Electronics Engineering Technology

AAS.EET

General Education Requirements

ENC	1101	English Composition I.....	3 cr.
MGF	1119	Introductory Mathematics w/ Applications.....	3 cr.
PSC	1515	Energy and the Environment	3 cr.
PSC	1515L	Energy and the Environment Laboratory	1 cr.
		Humanities General Education.....	3 cr.
		Social Science General Education	3 cr.

Program Required Courses

CET	1112C*	Basic Digital Systems	3 cr.
CET	1123C	Introduction to Microprocessors	3 cr.
CET	2113C	Digital Systems Analysis.....	3 cr.
CGS	1107	Introduction to Computers.....	1 cr.
COP	1000	Programming Logic.....	3 cr.
EET	1036C*	Basic AC and DC.....	3 cr.
EET	1037C	Circuit Analysis	3 cr.
EET	1083C*	Electronic Orientation	3 cr.
EET	1141C	Solid State Devices	3 cr.
EET	1142C	Solid State Circuits.....	3 cr.
EET	2155C	Linear Integrated Circuits.....	3 cr.
EET	2215L	Electronics Instruments.....	3 cr.
EET	2326C	Communications Systems I	3 cr.
EET	2939	Electronics Engineering Technology Capstone	3 cr.
MTB	1327	Electronics Mathematics	4 cr.

Select 5 specified elective credits from the following (Group A):

CET	1172C	Computer Upgrading and Repair	3 cr.
CET	1174C	Advanced Computer Repair	3 cr.
CET	1556C	Structured Cabling.....	3 cr.
CET	2152C	Advanced Microprocessors	3 cr.
CET	2335C	Microcomputer Systems	3 cr.
CGS	1500	Applied Word Processing.....	1 cr.
CGS	1510	Spreadsheet Applications	1 cr.
CGS	1520	Business Graphics I.....	1 cr.
CGS	1540	Database Management	1 cr.
CGS	1554	Internet Basics.....	1 cr.
COP	1220	Programming in "C"	3 cr.
CTS	1305	Introduction to Networking	3 cr.
ECO	2013	Principles of Macroeconomics.....	3 cr.
EET	1525C	Industrial Controls I	3 cr.
EET	2215L	Electronic Instruments	3 cr.
EET	2326C	Communications Systems.....	3 cr.
EET	2526C	Industrial Controls II	3 cr.
EST	1436C	Biomedical Electronics Systems I.....	3 cr.
EST	2438C	Biomedical Electronic Systems II.....	3 cr.
OST	1142	Keyboarding I.....	1 cr.

Select 3 specified elective credits from the following (Group B):

COP	1120	COBOL, Beginning	3 cr.
COP	1820	Visual BASIC, Beginning	3 cr.
COP	1821	Visual BASIC, Advance.....	3 cr.
COP	2800	JAVA Programming	3 cr.

* Recommended course(s) for the first semester.

AS/AAS • Engineering Technology

AS.ETI/AAS.ETI (60 Credit Hours)

Engineering Technology is a comprehensive program covering introductory computer-aided drafting, electronics, instrumentation and testing, processes and materials, quality and safety. These skills align with the national Manufacturing Skill Standards Council (MSSC) Portable Production Technician certification. The engineering technology curriculum which emphasizes advanced manufacturing, prepares students for many high skill/high wage/high demand jobs in manufacturing and other high-technology industries.

Graduates of the Engineering Technology associate in science or associate in applied science degree program are eligible to transfer into a number of bachelors of applied science (BAS) degrees offered in Florida's universities, state colleges.

General Education Requirements

ENC	1101	English Composition I.....	3 cr.
MGF	1119	Introductory Mathematics w/ Applications (non-transfer) or Mathematics General Education (transfer)	3 cr.
		Humanities General Education.....	3 cr.
		Natural Science General Education.....	3 cr.
		Social Science General Education	3 cr.

Program Required Courses

EET	1083C	Electronics Orientation.....	3 cr.
EST	1542	Introduction to Programmable Logic Controllers.....	3 cr.
ETD	1340C	Computer Aided Drafting for Engineers.....	3 cr.
ETI	1420	Manufacturing Processes and Materials.....	3 cr.
ETI	1110	Introduction to Quality	3 cr.
ETI	1622	Concepts of Lean and Six Sigma.....	3 cr.
ETI	1701	Industrial Safety	3 cr.
ETI	1843	Motors and Controls.....	3 cr.
ETI	2950	Engineering Technology Capstone	3 cr.
ETM	1010C	Mechanical Measurement and Instrumentation	3 cr.
ETM	2315	Hydraulic and Pneumatic Systems	3 cr.
ETM	2315L	Hydraulic and Pneumatic Laboratory	1 cr.

Select 11 credits hours from the following:

CGS	1510	Spreadsheet Applications I.....	1 cr.
EGS	2122C	Geometric Dimensioning and Tolerancing	3 cr.
ENC	2210	Technical Writing	3 cr.
EST	1535	Automated Process Control	3 cr.
EST	1540	Industrial Applications using PLCs and Robotics	3 cr.
ETI	1403	Introduction to Advanced Manufacturing Technology	3 cr.
ETI	1644	Production and Inventory Control.....	3 cr.
ETI	1931	Special Topics in Modern Manufacturing.....	3 cr.
ETI	1949	Manufacturing Internship	2 cr.
ETI	2151C	Process Metrology.....	3 cr.

AS/AAS • Environmental Science Technology

AS.EVR.LAB/AS.EVR.ETEC/AAS.EVR.AWT/AAS.EVR.LAB/AAS.EVR.ETEC (64 Credit Hours)

This program will prepare students for positions as environmental pollution control technicians or environmental technicians. The program curriculum will prepare students to conduct environmental surveys; conduct investigations and evaluations of noise, air, and water conditions for compliance with public laws and regulations; or to effectively manage natural resources.

AAS • Advanced Water Treatment

AAS.EVR.AWT

This program will prepare students with the skills necessary to enter the field of water technologies and resource management.

General Education Requirements

BSC	1005C	Biological Foundations I	3 cr.
ENC	1101	English Composition I.....	3 cr.
MGF	1106	Mathematics for Liberal Arts I.....	3 cr.
		Humanities General Education.....	3 cr.
		Social or Behavioral Science General Education	3 cr.

Program Required Courses

EVS	1001	Introduction to Environmental Science	3 cr.
EVS	1181	Conventional and Pre-Treatment Water Technologies	3 cr.
EVS	1183	Introduction to Water Treatment Systems	3 cr.
EVS	1185	Membrane Technologies I.....	3 cr.
EVS	1186	Membrane Technologies II	3 cr.
EVS	1190	Water Treatment Plant Equipment	3 cr.
EVS	2180	Advanced Membrane Monitoring.....	3 cr.
EVS	2182	High Purity Water Technologies	3 cr.
EVS	2184	Ion Exchange Technology.....	3 cr.
EVS	2187	Membrane Unit Monitoring and Troubleshooting.....	3 cr.
EVS	2188	Pre-Treatment Troubleshooting.....	3 cr.
EVS	2179	Water Analysis and Monitoring	3 cr.
EVS	2894C	Environmental Sampling and Analysis II	5 cr.
EVS	2895C	Environmental Sampling and Analysis III.....	5 cr.
EVS	2939	Water Treatment Capstone Course	3 cr.

AS/AAS • Environmental Technician

AS.EVR.ETEC/AAS.EVR.ETEC

General Education Requirements

ENC	1101	English Composition I.....	3 cr.
GLY	1010	Physical Geology.....	3 cr.
GLY	1010L	Physical Geology Laboratory	1 cr.
MET	2010C	Meteorology.....	3 cr.
		Mathematics General Education.....	3 cr.
		Humanities General Education.....	3 cr.
		Social or Behavioral Science General Education	3 cr.

Program Required Courses

BSC	1005C	Biological Foundations I	3 cr.
CGS	1000	Introduction to Computers and Technology	3 cr.
CHM	1025	Modern Chemistry.....	3 cr.
CHM	1025L	Modern Chemistry Laboratory	1 cr.
EVR	2858	Environmental Law	4 cr.
EVS	1001	Introduction to Environmental Science	3 cr.
EVS	2893C	Environmental Sampling and Analysis I.....	5 cr.
EVS	2894C	Environmental Sampling and Analysis II	5 cr.
EVS	2895C	Environmental Sampling and Analysis III.....	5 cr.
EVS	2942L	Environmental Technology Practicum	3 cr.
SPC	1006	Speech Improvement.....	1 cr.
		Specified Electives.....	9 cr.

Select 9 specified elective credits from the following:**Air Monitoring**

EVS	2793	Sources and Effects of Air Pollution.....	4 cr.
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Water Emphasis

EVS	1026	Chemistry and Biology of Natural Waters.....	4 cr.
EVS	2005C	Treatment of Water and Wastewater	4 cr.
EVS	2891	Hydrology and Quality of Water Resources.....	4 cr.

Geographic Information and Global Positioning Systems

EVR	1041	Natural Resource Management w/Applications in GIS.....	4 cr.
EVR	2040	Advanced GIS w/Environmental Applications	4 cr.
EVS	1042	Water Resources w/Applications in GIS	4 cr.
GIS	1041	Survey of Geographic Information Systems and Global Positioning Systems	1 cr.
GIS	2040	Fundamentals Geographic Information Systems	3 cr.

Natural Resource Management

EVR	1328	Natural Resource Conservation and Ecology.....	3 cr.
FNR	1001	Natural Resource Management	3 cr.
ORH	1523	Native Upland Plants	2 cr.
ORH	1524	Native Wetland Plants	2 cr.

AS/AAS • Laboratory Technician**AS.EVR.LAB/AAS.EVR.LAB****General Education Requirements**

ENC	1101	English Composition I.....	3 cr.
BSC	1010	Biological Science I.....	3 cr.
BSC	1010L	Biological Science I Laboratory	1 cr.
CHM	1045	College Chemistry I.....	3 cr.
CHM	1045L	College Chemistry I Laboratory	1 cr.
		Mathematics General Education.....	3 cr.
		Humanities General Education.....	3 cr.
		Social Science General Education or Behavioral Science General Education	3 cr.

Program Required Courses

CGS	1000	Introduction to Computers and Technology	3 cr.
CHM	1025	Modern Chemistry.....	3 cr.
CHM	1025L	Modern Chemistry Laboratory	1 cr.
CHM	1046	College Chemistry II.....	3 cr.
CHM	1046L	College Chemistry II Laboratory	1 cr.
CHM	2120C	Analytical Chemistry.....	4 cr.
CHM	2132C	Modern Chemical Instrumentation.....	4 cr.
EVS	2893C	Environmental Sampling and Analysis I.....	5 cr.
EVS	2894C	Environmental Sampling and Analysis II	5 cr.
EVS	2895C	Environmental Sampling and analysis III.....	5 cr.
EVS	2942L	Environmental Technology Practicum	3 cr.
SPC	1006	Speech Improvement.....	1 cr.
		Specified Electives.....	6 cr.

Select 6 credit hours of specified electives from the following:

ETI	1181	Quality Systems and Work Place Dynamics.....	2 cr.
ETI	1701	Industrial Safety	2 cr.
ETI	1720	Occupational Safety and Health	3 cr.
EVS	1026	Chemistry and Biology of Natural Waters.....	4 cr.
EVS	1893	Comparative Sampling and Analysis Methods.....	3 cr.
MCB	1060	Food Microbiology.....	3 cr.
MCB	1060L	Food Microbiology Laboratory	1 cr.

AS/AAS • Fire Science Technology

AS.FIRE.UNIV/AAS.FIRE.GEN (60 Credit Hours)

This program will prepare students for jobs as fire science technicians, fire officers or fire safety inspectors, fire assistants, safety inspectors, building inspectors or jobs in fire insurance sales.

NOTE: All graduates of this AS degree program shall be granted admission into the Fire Science Management baccalaureate degree program at Northwood University.

General Education Requirements

ENC	1101	English Composition I.....	3 cr.
MGF	1119	Introductory Mathematics w/ Applications (non-transfer) or Mathematics General Education (transfer)	3 cr.
PSY	2012	General Psychology	3 cr.
SYG	2000	Introduction to Sociology	3 cr.
		Humanities General Education.....	3 cr.

Program Required Courses

CGS	1107	Introduction to Computers.....	1 cr.
FFP	1000*	Introduction to Fire Science.....	3 cr.
FFP	1506*	Fire Prevention and Investigation	3 cr.
FFP	1710	Company Officer.....	3 cr.
FFP	1810	Fire Fighting Tactics and Strategy I.....	3 cr.
FFP	2120	Fire Service Building Construction	3 cr.
FFP	2401	Hazardous Materials I.....	3 cr.
FFP	2402	Hazardous Materials II.....	3 cr.
FFP	2490C	Chemistry of Hazardous Materials	4 cr.
FFP	2510	Codes and Standards.....	3 cr.
FFP	2521	Construction Documents and Plans Review.....	3 cr.
FFP	2540	Private Fire Protection Systems	3 cr.
FFP	2604	Cause and Origin	3 cr.
FFP	2740	Fire Service Course Delivery	3 cr.
FFP	2811	Fire Fighting Tactics and Strategy II	3 cr.
SPC	1006	Speech Improvement.....	1 cr.

* Recommended course(s) for the first semester.

NOTE 1: The following classes are required for Florida Bureau of Fire Standards and Training Certification as a Fire Officer:
FFP 1710, FFP 1506, FFP 1810, FFP 2740, FFP 2540, FFP 2401, and FFP 2402.

NOTE 2: The following classes are required for Florida Bureau of Fire Standards and Training Certification as a Municipal Fire Safety Inspector: FFP 1506, FFP 2120, FFP 2540, FFP 2521, and FFP 2510.

AS • Hospitality and Tourism Management

AS.HFT.RESH (64 Credit Hours)

This program will prepare students for supervisory jobs in the hospitality industry as managers, motel managers, a recreation establishment manager or resort manager.

NOTE 1: Beginning Fall term 2000, all graduates of this program shall articulate into a Hospitality Administration/Management baccalaureate degree (in those programs not accredited by AACSB) in the designated university program under the provision of Rule 6A-10.024, Articulation between Universities, Community Colleges, and School Districts.

NOTE 2: Beginning Fall term 2008, all graduates of this program are eligible to articulate the AS degree in Culinary Management to the BS degree in Hotel and Restaurant Management at the University of Houston, Conrad N. Hilton College of Hotel and Restaurant Management.

General Education Requirements

ENC	1101	English Composition I.....	3 cr.
ENC	1102	English Composition II	3 cr.
MGF	1119	Introductory Mathematics w/ Applications (non-transfer) or Mathematics General Education (transfer)	3 cr.
PSY	2012	General Psychology	3 cr.
SYG	2000	Introduction to Sociology	3 cr.
		Humanities General Education.....	3 cr.

Program Required Courses

ACG	2021	Financial Accounting or APA 1111, Basic Accounting.....	3 cr.
APA	1321	Hospitality Accounting.....	3 cr.
FSS	1223	Food Preparation for Managers.....	4 cr.
FSS	1500	Food and Beverage Control.....	3 cr.
FSS	2110	Food Plans and Menu Preparation.....	3 cr.
FSS	2120	Food Purchasing and Storage.....	3 cr.
FSS	2271	Beverage Management Service.....	3 cr.
HFT	1000	Introduction to Hospitality Industry Management.....	3 cr.
HFT	1410	Front Desk Procedures.....	3 cr.
HFT	2210	Supervisory Development.....	3 cr.
HFT	2530	Hospitality Merchandising Techniques.....	3 cr.
HFT	2600	Hospitality Industry Law.....	3 cr.
HFT	2750	Meeting, Convention and Exposition Industry.....	3 cr.
HFT	2840	Maitre d' and Dining Room Service.....	3 cr.
HFT	2941	Hospitality Management Internship.....	2 cr.
		Electives.....	1 cr.

AAS • Industrial Management Technology**AAS.INDM.ARR/AAS.INDM.BCV /AAS.INDM.FORD/AAS.INDM.PMT /AAS.INDM.TECO (60 Credit Hours)**

This program will prepare students for jobs as industrial managers and for advancement in various technical fields. Students must be enrolled in the Ford ASSET program at Brewster Technical Center or have successfully completed one of the various Tampa Electric Company training programs that have been articulated with the program (lineman, field engineering, substation electrician, plant electrician and controls analyst) or the HCC PSAV Auto Collision Repair certificate program or one of the HCC apprenticeship programs (ABC or IEC).

Articulated Credit and Electives 33 cr.

General Education Requirements

ENC	1151*	Technical English.....	3 cr.
MGF	1119	Introductory Mathematics w/ Applications.....	3 cr.
PHI	1600	Ethics.....	3 cr.
PSY	2012	General Psychology.....	3 cr.
SPC	1608	Public Speaking.....	3 cr.

* ENC 1151, Technical English may substitute as the general education English requirement in the associate in applied science Industrial Management Technology program.

Program Required Courses

CGS	1000	Introduction to Computers and Technology.....	3 cr.
MAN	1021	Principles of Management.....	3 cr.
MAR	1011	Principles of Marketing.....	3 cr.
SBM	2000	Small Business Management.....	3 cr.

AS/AAS • Information Technology Security**AS.CIS.SECURITY/AAS.CIS.SECURITY (63 Credit Hours)**

This program prepares students for employment as information technology security professionals assisting business and industry in developing and implementing strategies to defend company e-business infrastructure and data assets against security attacks.

General Education Requirements

ENC	1101	English Composition I.....	3 cr.
ENC	1102	English Composition II.....	3 cr.
		Humanities General Education.....	3 cr.
		Mathematics General Education.....	3 cr.
		Social Science General Education.....	3 cr.

Program Required Courses

CET	1172C	Computer Upgrading and Repair	3 cr.
CGS	1000	Introduction to Computers and Technology	3 cr.
CGS	2091	Information Technology Ethical and Legal Issues	3 cr.
CIS	2352C	Ethical Hacking I.....	3 cr.
CIS	2353	Security Management and Computer Auditing.....	3 cr.
CIS	2359C	Ethical Hacking II.....	3 cr.
CIS	2381C	Computer Forensics and Incident Response.....	3 cr.
CIS	2945	Information Technology Security Capstone	3 cr.
CNT	1401	Introduction to Network Security	3 cr.
CTS	1106	Introduction to Unix	3 cr.
CTS	1305	Introduction to Networking	3 cr.
CTS	2301	Unix/Linux Administration I	3 cr.
CTS	2310	Windows Security	3 cr.
CTS	2311	Unix/Linux Security.....	3 cr.
CTS	2322	Unix/Linux Administration II	3 cr.
CTS	2333	Unix/Linux Networking	3 cr.

AS/AAS • Internet Services Technology**AS.WEB.TECH.OPT1/AS.WEB.TECH.OPT2/AAS.WEB.TECH.OPT1/AAS.WEB.TECH.OPT2****(63 Credit Hours)****General Education Requirements****The following general education requirements apply to AS/AAS Web Designer and****AS/AAS Web Developer**

ENC	1101	English Composition I.....	3 cr.
ENC	1102	English Composition II or Social Science General Education	3 cr.
MGF	1119	Introductory Mathematics w/ Applications (non-transfer) or Mathematics General Education (transfer)	3 cr.
		Humanities General Education.....	3 cr.
		Social Science General Education	3 cr.

NOTE: Select either the AS/ AAS Web Designer program required courses or the AS/ AAS Web Developer program required courses to complete the Internet Services Technology degree.

AS/AAS • Web Designer**AS.WEB.TECH.OPT1/AAS.WEB.TECH.OPT1**

This program prepares students for internet- related jobs such as web designer, site designer, and internet architect.

Program Required Courses

CGS	1000	Introduction to Computers and Technology	3 cr.
CGS	1103	Project Management	3 cr.
CGS	1555	Introduction to the Internet	3 cr.
CGS	1577	Presentations Systems	3 cr.
CGS	1871	Multimedia Authoring I.....	3 cr.
CGS	2509	Introduction to Adobe Acrobat.....	1 cr.
CGS	2541	Database Design.....	3 cr.
CGS	2820	Web Authoring - HTML	3 cr.
CGS	2822	Web Site Creation.....	3 cr.
CGS	2874	Multimedia Authoring II	3 cr.
CGS	2876	Digital Audio/Video Design.....	3 cr.
CGS	2939	Internet Services Technology Capstone.....	3 cr.
COP	2823	Graphics Design for Multimedia/Internet.....	3 cr.
COP	2826	Advanced Graphics Design.....	3 cr.
OST	1813	Desktop Publishing.....	3 cr.
OST	1825	Desktop Designer	3 cr.

Select at least 2 specified elective credit hours from the following:

CGS	2301	Management Information Systems	3 cr.
CGS	2940	Web Technology Internship	3 cr.
CTS	1106	Introduction to Unix	3 cr.
OST	1142	Keyboarding I.....	1 cr.
OST	1335	Business Communications.....	3 cr.

AS/AAS • Web Developer**AS.WEB.TECH.OPT2/AAS.WEB.TECH.OPT2**

This program prepares students for internet-related jobs such as webmaster, web developer, site developer and internet programmer.

Program Required Courses

CGS	1000*	Introduction to Computers and Technology	3 cr.
CGS	1555*	Introduction to the Internet	3 cr.
CGS	1936	Perl and CGI	3 cr.
CGS	2509	Introduction to Adobe Acrobat.....	1 cr.
CGS	2541	Database Design.....	3 cr.
CGS	2545	Introduction to Web Databases.....	3 cr.
CGS	2820	Web Authoring - HTML	3 cr.
CGS	2822	Web Site Creation.....	3 cr.
CGS	2823	Introduction to Active Server Pages.....	3 cr.
CGS	2825	Web Site Management.....	3 cr.
CGS	2939	Internet Services Technology Capstone.....	3 cr.
COP	1000	Programming Logic.....	3 cr.
COP	2800	JAVA Programming	3 cr.
COP	2822	Scripting for the Web.....	3 cr.
CTS	1106	Introduction to Unix	3 cr.
CTS	2301	Unix/Linux Administration I	3 cr.

Select at least 2 specified elective credit hour from the following:

CGS	1103	Project Management	3 cr.
COP	1812	Introduction to XML Authoring	3 cr.
COP	2805	JAVA Advanced.....	3 cr.
OST	1142	Keyboarding I.....	1 cr.
OST	1143	Keyboarding II.....	1 cr.

* Recommended course(s) for the first semester.

AS/AAS • Network Administrator**AS.NA.GEN/ AS.NA.OPT1/AS.NA.OPT2/AS.NA.OPT3****AAS.NA.GEN/ AAS.NA.OPT1/AAS.NA.OPT2/ AAS.NA.OPT3****(63 Credit Hours)****General Education Requirements**

NOTE: The following general education requirements apply to AS/ AAS Cisco and Telecommunications, AS/ AAS General Networking, AS/ AAS Microsoft Certified Systems Engineer, and AS/ AAS Unix/Linux Systems Administration.

ENC	1101	English Composition I.....	3 cr.
ENC	1102	English Composition II or Social Science General Education	3 cr.
MGF	1119	Introductory Mathematics w/ Applications (non-transfer) or Mathematics General Education (transfer)	3 cr.
		Humanities General Education.....	3 cr.
		Social Science or Natural Science General Education.....	3 cr.

NOTE: Select either the Cisco and Telecommunications program required courses, the General Networking program required courses, the Microsoft Certified Systems Engineer program required courses, or the Unix/Linux Systems Administration program required courses to complete the Network Administrator degree.

AS/AAS • Cisco and Telecommunications**AS.NA.OPT2/AAS.NA.OPT2**

This program prepares students for jobs such as computer network specialist, network administrator, customer support analyst, telecom analyst, project coordinator, systems installer, and network systems engineer. Focus is on Cisco certification and telecommunications specialist.

Program Required Courses

CEN	2939	Network Administrator Capstone.....	3 cr.
CET	1172C	Computer Upgrading and Repair	3 cr.
CET	1174C	Advanced Computer Repair	3 cr.
CET	1556C	Structured Cabling.....	3 cr.
CET	1600	Cisco Network Fundamentals.....	3 cr.
CET	1610	Cisco Router Technology	3 cr.
CET	2615	Cisco Advanced Router Technology.....	3 cr.
CET	2620	Cisco Wide-Area Networking Technologies	3 cr.
CGS	1000	Introduction to Computers and Technology	3 cr.
CTS	1305	Introduction to Networking	3 cr.
CGS	1761	Computer Operating Systems.....	3 cr.
CGS	2301	Management Information Systems	3 cr.
CGS	2541	Database Design.....	3 cr.
CIS	2321	Systems Analysis.....	3 cr.
CNT	1401	Introduction the Network Security	3 cr.
CNT	2510	Wireless Networking.....	3 cr.

AS/AAS • General Networking**AS.NA.GEN/AAS.NA.GEN**

This program prepares students to plan, install, configure, monitor, troubleshoot and manage computer networks in a LAN environment. Students will be provided conceptual and theoretical knowledge for employment as cabling specialists, PC support technicians, network control operators, data communication analysts, help desk specialists, network managers and computer security specialists.

Program Required Courses

CEN	2939	Network Administrator Capstone.....	3 cr.
CET	1172C	Computer Upgrading and Repair	3 cr.
CET	1174C	Advanced Computer Repair	3 cr.
CET	1556C	Structured Cabling.....	3 cr.
CGS	1000	Introduction to Computers and Technology	3 cr.
CGS	1555	Introduction to the Internet	3 cr.
CGS	1761	Computer Operating Systems.....	3 cr.
CGS	2301	Management Information Systems	3 cr.
CGS	2541	Database Design.....	3 cr.
CGS	1760	Introduction to Unix	3 cr.
CNT	1401	Introduction to Network Security	3 cr.
CNT	2510	Wireless Networking.....	3 cr.
CTS	1305	Introduction to Networking	3 cr.
CTS	1327	Microsoft Windows Professional.....	3 cr.
CTS	1328	Microsoft Windows Server	3 cr.

Select 3 credit hours of electives from the following list:

CEN	1305	M/S Windows Implementing and Supporting Network Infrastructure.....	3 cr.
CTS	2301	Unix/Linux Administration I	3 cr.

AS/AAS • Microsoft Certified Systems Engineer (MCSE)**AS.NA.OPT1/AAS.NA.OPT1**

This program prepares students for jobs such as computer network specialist, network administrator, customer support analyst, telecom analyst, project coordinator, systems installer, and network systems engineer. The coursework focus is on Microsoft certification and telecommunications specialist.

Program Required Courses

CEN	1305	M/S Windows Implementing and Administering a Network Infrastructure	3 cr.
CEN	1320	M/S Windows Implementing and Supporting Active Directory Services	3 cr.
CEN	1321	M/S Windows Designing a Directory Services Infrastructure	3 cr.
CEN	2939	Network Administrator Capstone.....	3 cr.
CET	1172C	Computer Upgrade and Repair	3 cr.
CGS	1000	Introduction to Information and Technology.....	3 cr.
CGS	1555	Introduction to the Internet	3 cr.
CGS	1760	Introduction to Unix	3 cr.
CGS	1761	Computer Operating Systems.....	3 cr.
CGS	2301	Management Information Systems	3 cr.
CGS	2541	Database Design.....	3 cr.
CNT	1401	Introduction to Network Security	3 cr.
CNT	2510	Wireless Networking.....	3 cr.
CTS	1305	Introduction to Networking.....	3 cr.
CTS	1327	Microsoft Windows Professional.....	3 cr.
CTS	1328	Microsoft Windows Server	3 cr.

Select 3 credit hours of electives from the following list:

CEN	1327	Planning/Maintaining MS Windows Network Infrastructure.....	3 cr.
Any courses with prefix: CEN, CGS, CIS, CNT			3 cr.

AS/AAS • Unix/Linux System Administration**AS.NA.OPT3/AAS.NA.OPT3**

The purpose of this program is to prepare students for employment as a Unix or Linux system administrator or to provide supplemental training for persons previously or currently employed in these occupations. The content prepares individuals to install information technology equipment, troubleshoot information technology equipment, and support information technology users.

Program Required Courses

CEN	2939	Network Administrator Capstone.....	3 cr.
CET	1172C	Computer Upgrade and Repair	3 cr.
CGS	1000	Introduction to Computers and Technology	3 cr.
CTS	1305	Introduction to Networking	3 cr.
CGS	1555	Introduction to the Internet	3 cr.
CGS	1760	Introduction to Unix	3 cr.
CGS	1761	Computer Operating Systems.....	3 cr.
CGS	2301	Management Information Systems	3 cr.
CTS	2301	Unix/Linux Administration I	3 cr.
CTS	2322	Unix/Linux Administration II	3 cr.
CNT	1401	Introduction to Network Security	3 cr.
COP	1000	Programming Logic.....	3 cr.
COP	2344	Shell Scripting.....	3 cr.
CTS	2333	Unix/Linux Networking	3 cr.
CTS	2311	Unix/Linux Security.....	3 cr.

Select 3 credit hours of electives from the following list:

CET	1610	Cisco Router Technology	3 cr.
CET	2615	Cisco Advanced Router Technology	3 cr.
CGS	1936	Perl and CGI	3 cr.
CGS	2541	Database Design	3 cr.
CGS	2825	Web Site Management	3 cr.
CNT	2510	Wireless Networking	3 cr.
COP	1220	Programming in "C"	3 cr.
CTS	1327	Microsoft Window Professional	3 cr.
CTS	1328	M/S Windows Server	3 cr.

AS/AAS • Office Administration**AS.OA.OMTS/AS.OA.OSTS/ AAS.OA.MOA/AAS.OA.OMTS/AAS.OA.OSTS****(63 Credit Hours)****General Education Requirements**

NOTE: The following general education requirements apply to AS/AAS Office Systems Technology, AS/AAS Office Management and AS/AAS Medical Office Administration.

ENC	1101	English Composition I	3 cr.
MGF	1119	Introductory Mathematics w/ Applications (non-transfer) or Mathematics General Education (transfer)	3 cr.
PSY	2012	General Psychology	3 cr.
SYG	2000	Introduction to Sociology	3 cr.
		Humanities General Education	3 cr.

NOTE: Select the following Office System Technology required courses, or the Office Management program required courses or the Medical Office Administration program required courses listed below to complete the Office Administration degree.

AS/AAS • Office Systems Technology**AS.OA.OSTS/AAS.OA.OSTS**

This specialization focuses on careers in office systems technology. Depending on the curriculum options selected, graduates will be prepared for positions such as office systems manager, senior administrative assistant, executive office administrator, senior word processing specialist, administrative assistant, office receptionist, software applications specialist, customer service representative, executive secretary, software trainer, or help desk specialist.

Program Required Courses

APA	1111	Basic Accounting	3 cr.
CIS	1931*	Microcomputer Concepts	3 cr.
OST	1110*	Intermediate PC Typing	3 cr.
OST	1330*	Skills for Transcription	3 cr.
OST	1335	Business Communications	3 cr.
OST	1345	Forms Design and Management	2 cr.
OST	1355	Records Information	3 cr.
OST	1382	International Office Protocol	1 cr.
OST	1741	Word Processing I	1 cr.
OST	1831*	Introduction to Windows I	1 cr.
OST	2402	Office Procedures	3 cr.
OST	2501	Office Administration	3 cr.
OST	2722	Advanced Word Processing	3 cr.
OST	2742	Word Processing II	1 cr.
OST	2743	Word Processing III	1 cr.
SLS	1261	Personal Skills for Business	3 cr.
SPC	1006	Speech Improvement	1 cr.

Select at least 10 credit hours from the following:

CAP	2816	Database Management II	1 cr.
CGS	1000	Introduction to Computers and Technology	3 cr.
CGS	1510	Spreadsheet Applications I.....	1 cr.
CGS	1520	Business Graphics I.....	1 cr.
CGS	1540	Database Management I.....	1 cr.
CGS	1555	Introduction to the Internet	3 cr.
CGS	2511	Spreadsheet Applications II.....	1 cr.
CTS	1305	Introduction to Networking	3 cr.
LIS	1004	Introduction to Internet Research.....	1 cr.
OST	1100	Beginning PC Typing	3 cr.
OST	1142	Keyboarding I.....	1 cr.
OST	1143	Keyboarding II.....	1 cr.
OST	1211	Shorthand I.....	3 cr.
OST	1825	Desktop Design	3 cr.
OST	1941	OST Internship	3 cr.
OST	2145	Data Entry Applications.....	3 cr.
OST	2357	Records Management.....	3 cr.
OST	2601	Machine Transcription/Terminology.....	3 cr.
OST	2826	Desktop Graphics.....	3 cr.

* Recommended course(s) for the first semester.

NOTE: Students may enroll in OST 1741, OST 2742 or OST 2743 three times for credit to learn different word processing software or to learn to operate different brands of word processing machines available at different campuses. However, one credit hour per course is the maximum applicable to Program Requirements (see course description).

AS/AAS • Office Management**AS.OA.OMTS/AAS.OA.OMTS**

This specialization prepares students for mid-management positions such as administrative office manager, office manager, equipment sales representative, administrative support manager, staff assistant, executive secretary, human resource technician, office manager, or executive assistant.

Program Required Courses

ACG	2021	Financial Accounting or APA 1111, Basic Accounting.....	3 cr.
BUL	2241	Business Law I.....	3 cr.
CGS	2301	Management Information Systems	3 cr.
CIS	1931	Microcomputer Concepts	3 cr.
ECO	1000	Introduction to Economics or ECO 2013 Principles of Macroeconomics.....	3 cr.
GEB	1011	Introduction to Business	3 cr.
MAN	1021	Principles of Management.....	3 cr.
OST	1100	Beginning PC Typing	3 cr.
OST	1335	Business Communications.....	3 cr.
OST	1345	Forms Design and Management.....	2 cr.
OST	1382	International Office Protocol.....	1 cr.
OST	1741	Word Processing I.....	1 cr.
OST	2357	Electronic Records Management	3 cr.
OST	2501	Office Administration.....	3 cr.
SLS	1261	Personal Skills for Business	3 cr.
SPC	1006	Speech Improvement.....	1 cr.

Select 7 credit hours from the following:

CAP	2816	Database Management II	1 cr.
CGS	1000	Introduction to Computers and Technology	3 cr.
CGS	1510	Spreadsheet Applications I.....	1 cr.
CGS	1520	Business Graphics I.....	1 cr.
CGS	1540	Database Management I.....	1 cr.
CGS	1555	Introduction to the Internet	3 cr.
CGS	2511	Spreadsheet Applications II.....	1 cr.
CTS	1305	Introduction to Networking	3 cr.
LIS	1004	Introduction to Internet Research.....	1 cr.
MNA	1320	Human Resources Recruitment, Interviewing, and Selection.....	3 cr.
MNA	1325	Human Resources Statistical Analysis, Compensation and Benefits.....	3 cr.
OST	1110	Intermediate PC Typing.....	3 cr.
OST	1142	Keyboarding I.....	1 cr.
OST	1143	Keyboarding II.....	1 cr.
OST	1330	Skills for Transcription.....	3 cr.

OST	1355	Records Information.....	3 cr.
OST	1813	Desktop Publishing.....	3 cr.
OST	1831	Introduction to Windows I.....	1 cr.
OST	1941	OST Internship.....	3 cr.
OST	2402	Office Procedures.....	3 cr.
OST	2742	Word Processing II.....	1 cr.
OST	2743	Word Processing III.....	1 cr.
OST	2722	Advanced Word Processing.....	3 cr.
OST	2826	Desktop Graphics.....	3 cr.

NOTE: Students may enroll in OST 1741, OST 2742 or OST 2743 three times for credit to learn various word processing softwares or to learn to operate different brands of word processing machines available at different campuses. However, one credit hour per course is the maximum applicable to Program Requirements (see course description).

AAS • Medical Office Administration

AAS.OA.MOA

This specialization prepares students for a position as a medical office manager, medical office assistant, medical coder, medical staff assistant, medical billing clerk, medical records clerk, insurance processor, medical transcriptionist, or executive assistant.

Program Required Courses

APA	1111	Basic Accounting.....	3 cr.
CIS	1931	Microcomputer Concepts.....	3 cr.
HIM	1000	Medical Record Content.....	1 cr.
HIM	1453	Anatomy and Physiology for Medical Coding.....	4 cr.
HIM	1442	Pharmacology.....	2 cr.
HSC	1531	Medical Terminology.....	3 cr.
HSC	1641	Legal and Ethical Aspects in Health Care.....	1 cr.
OST	1110	Intermediate PC Typing.....	3 cr.
OST	1330	Skills for Transcription.....	3 cr.
OST	1335	Business Communications.....	3 cr.
OST	1355	Records Information.....	3 cr.
OST	1382	International Office Protocol.....	1 cr.
OST	1741	Word Processing I.....	1 cr.
OST	2135	Medical Document Production on the PC.....	3 cr.
OST	2145	Data Entry.....	3 cr.
OST	2402	Office Procedures.....	3 cr.
OST	2742	Word Processing II.....	1 cr.
SLS	1261	Personal Skills for Business.....	3 cr.
SPC	1006	Speech Improvement.....	1 cr.

Select 3 credit hours from the following:

HIM	1438	Principles of Disease.....	4 cr.
HIM	2940	Clinical Billing Practicum.....	2 cr.
HIM	2941	Clinical Coder Practicum.....	2 cr.
OST	1941	OST Internship.....	3 cr.
OST	2743	Word Processing III.....	1 cr.

NOTE: Students may enroll in OST 1741, OST 2742 or OST 2743 three times for credit to learn different word processing software or to learn to operate different brands of word processing machines available at different campuses. However, one credit hour per course is the maximum applicable to Program Requirements (see course description).

AS/AAS • Paralegal Studies (Legal Assisting)

AS.LEGAL/AAS.LEGAL (64 Credit Hours)

This program will prepare students for a paraprofessional career as a paralegal (legal assistant). Under the supervision and direction of a licensed attorney, paralegals may engage in legal research, case development, preparation of legal documents and trial exhibits, analyze information, interview clients, assist in office management, and other responsibilities unique to the legal profession. Graduates of the program are prepared to sit for national certification exams.

NOTE: All graduates of this AS degree program shall be granted admission into the Legal Studies baccalaureate degree program at Florida Gulf Coast University.

General Education Requirements

ENC	1101	English Composition I.....	3 cr.
ENC	1102	English Composition II	3 cr.
MGF	1119	Introductory Mathematics w/ Applications (non-transfer) or Mathematics General Education (transfer)	3 cr.
		Humanities General Education.....	3 cr.
		Social Science General Education	3 cr.

Program Required Courses

APA	1111	Basic Accounting.....	3 cr.
CGS	1000	Introduction to Computers and Technology	3 cr.
PLA	1003*	Introduction to the Paralegal Profession	3 cr.
PLA	1104	Writing and Research I.....	3 cr.
PLA	1203	Litigation Procedures I.....	3 cr.
PLA	1271*	Tort Law	3 cr.
PLA	1433	Business Organizations	3 cr.
PLA	1611	Real Estate Law/Property Transactions I	3 cr.
PLA	1600	Administering Wills/Trusts/Probate.....	3 cr.
PLA	2114	Writing and Research II	3 cr.
PLA	2303	Criminal Litigation	3 cr.
PLA	2421	Contract Law	3 cr.
PLA	2800	Family Law	3 cr.
SPC	1006	Speech Improvement.....	1 cr.

Choose 9 specified PLA elective credits from the following:

ACG	2021	Financial Accounting.....	3 cr.
ACG	2071	Managerial Accounting.....	3 cr.
PLA	1700	Legal Ethics and Professional Responsibility	3 cr.
PLA	1949	Paralegal Internship.....	3 cr.
PLA	2223	Litigation Procedures II.....	3 cr.
PLA	2460	Bankruptcy Law	3 cr.
PLA	2531	Elder Law	3 cr.
PLA	2612	Real Estate Law/Property Trans II.....	3 cr.
PLA	2732	Law Office Computer Applications	3 cr.
PLA	2763	Law Office Management.....	3 cr.

* Recommended course(s) for the first semester.

AAS • Restaurant Management

AAS.CUL. RES (64 Credit Hours)

This program provides students with the skills necessary for employment as a manager of a hotel/motel, a restaurant, a cafe, a bar, a liquor establishment, a coffee shop, a catering agency or a fast food service.

The Restaurant Management program and courses are accredited by the American Culinary Federation Foundation's Accrediting Commission at 180 Center Place Way, St. Augustine, Florida 32095.

NOTE: Beginning Fall term 2008, all graduates of this program are eligible to articulate the AS degree in Culinary Management to the BS degree in Hotel and Restaurant Management at the University of Houston, Conrad N. Hilton College of Hotel and Restaurant Management.

General Education Requirements

ENC	1101	English Composition I.....	3 cr.
BSC	1005C	Biological Foundations I	3 cr.
MGF	1119	Introductory Mathematics w/ Applications (non-transfer) or Mathematics General Education (transfer)	3 cr.
		Humanities General Education.....	3 cr.
PSY	2012	General Psychology	3 cr.

Program Required Courses

APA	1321	Hospitality Accounting.....	3 cr.
CGS	1000*	Introduction to Computers and Technology	3 cr.
FSS	1223*	Food Preparation for Managers	4 cr.
FSS	1246C	Food Specialty I (Baking).....	3 cr.
FSS	1248C	Food Specialty II (Garde Manger I).....	3 cr.
FSS	1249C	Food Specialty III (Garde Manger II)	3 cr.
FSS	1500	Food and Beverage Control.....	3 cr.
FSS	2110*	Food Plans and Menu Preparation.....	3 cr.
FSS	2120	Food Purchase and Storage	3 cr.
FSS	2271	Beverage Management and Service	3 cr.
HFT	2210	Supervisory Development.....	3 cr.
HFT	2530	Hospitality Merchandising Techniques.....	3 cr.
HFT	2840	Maitre d' and Dining Room Service.....	3 cr.
HUN	2201	Fundamentals of Human Nutrition	3 cr.
SPC	1006	Speech Improvement.....	1 cr.
		Electives.....	5 cr.

* Recommended course(s) for the first semester.

AS/AAS • Sign Language Interpretation

AS.INTT/AAS.INTT (72 Credit Hours)

This program will prepare students for entry-level positions as sign language interpreters/transliterators in a variety of community and educational settings. This sequenced AS/AAS degree program provides training in American Sign Language, deaf culture, communication models, interpreting processes and interpreting ethics. Course work focusing on interpreting from English into American Sign Language (ASL) and from ASL into English includes classroom and practical lab work, practicum and a field internship. There is also a strong sociolinguistic component to the program with courses in speech pathology and audiology, linguistics of ASL, and the social and educational aspects of hearing loss. However, graduates are granted State interpreting levels or certification only after testing and evaluation by the Florida Registry of Interpreters for the Deaf (FRID) or the National Registry of Interpreters for the Deaf (NRID).

NOTE: Graduates from this AS degree program shall be granted admission into the Interpreter Training concentration of the Communication Sciences and Disorders baccalaureate degree program at the University of South Florida.

Prerequisite courses for Admission

ASL	1140	American Sign Language I	3 cr.
ASL	1140L	American Sign Language I Laboratory	1 cr.
ASL	1150	American Sign Language II	3 cr.
ASL	1150L	American Sign Language II Laboratory	1 cr.

General Education Requirements

ANT	2000	Introduction to Anthropology or PSY 2012 General Psychology or SYG 2000 Introduction to Sociology	3 cr.
ENC	1101	English Composition I	3 cr.
ENC	1102	English Composition II	3 cr.
BSC	1005C	Biological Foundations I or Biological Science General Education w/Lab	3 cr.
MGF	1119	Introductory Mathematics w/ Applications (non-transfer) or Mathematics General Education (transfer)	3 cr.
		Humanities General Education	3 cr.

Program Required Courses

ASL	1300C	American Sign Language-Applied Linguistics	4 cr.
ASL	1430	Fingerspelling	2 cr.
ASL	1510	Introduction to Deaf Culture	3 cr.
ASL	2130	American Sign Language III	3 cr.
ASL	2130L	American Sign Language III Lab	1 cr.
ASL	2210	American Sign Language IV	3 cr.
ASL	2210L	American Sign Language IV Lab	1 cr.
INT	1941	Interpreting Practicum	2 cr.
INT	2130	Introduction to Interpreting Ethics	3 cr.
INT	2200	Interactive Interpreting I	3 cr.
INT	2200L	Interactive Interpreting I Lab	2 cr.
INT	2201L	Interactive Interpreting II Lab	3 cr.
INT	2210L	Interactive Transliterating Lab	2 cr.
INT	2231L	American Sign Language to Spoken English Interpreting (Lab Only)	3 cr.
INT	2400	Educational Interpreting	2 cr.
INT	2400L	Educational Interpreting Lab	1 cr.
INT	2930	Interpreting Topics	2 cr.
INT	2942	Interpreting Internship	3 cr.
SPA	2001	Survey of Communication Disorders	3 cr.

Sign Language Interpretation Program - Experiential Credit Option

(72 credits)

The following program credit hours will be awarded to individuals who have earned National Certification from the Registry of Interpreters for the Deaf (RID) and have proof of said certification and proof of current membership in good standing with RID. Eighteen credit hours will be awarded to those individuals seeking the Experiential Credit Option to earn the Sign Language Interpretation AS or AAS degree.

Credit Hours awarded for Experience: 18 cr.

INT	1941	Interpreting Practicum	2 cr.
INT	2200	Interactive Interpreting I.....	3 cr.
INT	2200L	Interactive Interpreting I Lab	2 cr.
INT	2201L	Interactive Interpreting II Lab	3 cr.
INT	2210L	Interactive Transliterating Laboratory.....	2 cr.
INT	2231L	ASL-to- Spoken English Interpreting.....	3 cr.
INT	2400	Educational Interpreting.....	2 cr.
INT	2400L	Educational Interpreting Lab	1 cr.

To complete the Sign Language Interpretation AS/AAS degree, students seeking the Experiential Credit Option are eligible to take the credit-by-exam tests or transfer credits from accredited sources for the following courses specified below:

Program Specific Courses Allowed for Credit-by-Exam: 18 cr.

ASL	1140	American Sign Language I	3 cr.
ASL	1140L	American Sign Language I Lab.....	1 cr.
ASL	1150	American Sign Language II	3 cr.
ASL	1150L	American Sign Language II Lab	1 cr.
ASL	1430	Fingerspelling	2 cr.
ASL	2130	American Sign Language III.....	3 cr.
ASL	2130L	American Sign Language III Lab.....	1 cr.
ASL	2210	American Sign Language IV	3 cr.
ASL	2210L	American Sign Language IV Lab.....	1 cr.

Credit-by-exam can only be taken once per course and must be passed with a score of 75 or above to receive "S" (satisfactory) for credit. If the student fails the exam or does not receive an "S" (score of 75) or better the student must then register for and take the course when it is offered within the regular program sequence.

Only those individuals who are following the experiential credit option for a degree are eligible to take the credit-by-exam for the ASL II through ASL IV courses and labs (ASL 1150, ASL 1150L, ASL 2130, ASL 2130L, ASL 2210, ASL 2210L, ASL 1430), and the Fingerspelling course. The credit-by-exam for ASL I and ASL I Lab (ASL 1140, ASL 1140L) is not restricted to the experiential credit option.

Experiential credit option seeking students must also complete at HCC or transfer from an accredited source (with a "C" or better) the following:

General Education Coursework: 18 cr.

ASL	1300C	American Sign Language Applied Linguistics.....	4 cr.
ASL	1510	Introduction to Deaf Culture.....	3 cr.
INT	1941	Interpreting Practicum	2 cr.
INT	2930	Interpreting Topics	2 cr.
INT	2130	Introduction to Interpreting Ethics.....	3 cr.
INT	2942	Interpreting Internship.....	3 cr.
SPA	2001	Survey of Communication Disorders	3 cr.

To receive the degree from HCC at least 18 credit hours of coursework must be completed at HCC.

NOTE: Graduates from this AS degree program shall be granted admission into the interpreter training concentration of the Communication Sciences and Disorders baccalaureate degree program at the University of South Florida.

AS • Veterinary Technology

AS.VET.TECH (73 Credit Hours)

Veterinary Technology is a rapidly growing field. Employment of veterinary technicians/technologists is expected to grow much faster than the average for all occupations through the year 2012, according to the most recent information from the U.S. Department of Labor. Graduates from this program will find careers in areas such as private practice, animal shelters and humane societies, agriculture (equine services, farms, and ranches), biomedical research, zoo/wildlife medicine, tourist/recreational facility animal care and research, and pharmaceutical and government. This program which awards the associate in science degree will prepare students to enter the workforce prepared for clinical practice, research animal husbandry, or clinical management.

The HCC Veterinary Technology program is accredited by the American Veterinary Medical Association. Graduates of this program are eligible to take the Veterinary Technician National Examination.

Prerequisites for Admission

ENC	1101	English Composition I.....	3 cr.
BSC	1005C	Biological Foundations I or Biological Science General Education w/Lab.....	3 cr.
MAC	1105	College Algebra or MGF 1106, Mathematics for Liberal Arts I or higher General Education Mathematics or STA 2023, Elementary Statistics.....	3 cr.
		Humanities General Education.....	3 cr.

NOTE: Completion of prerequisites for admission with a grade of "C" or higher is required.

General Education Requirements

Humanities General Education.....	3 cr.
Social Science General Education.....	3 cr.

Program Required Courses

ATE	1001	Introduction to Veterinary Technology.....	1 cr.
ATE	1110	Animal Anatomy.....	3 cr.
ATE	1110L	Animal Anatomy Laboratory.....	1 cr.
ATE	1211	Animal Physiology.....	3 cr.
ATE	1311L	Veterinary Office Procedures Laboratory.....	1 cr.
ATE	1630	Pharmacology for Veterinary Technicians.....	1 cr.
ATE	1650L	Veterinary Clinical Practice Laboratory I.....	1 cr.
ATE	1741	Veterinary Medical Terminology.....	1 cr.
ATE	1943	Veterinary Work Experience I.....	1 cr.
ATE	1944	Veterinary Work Experience II.....	1 cr.
ATE	2020	Contemporary Clinical Issues.....	3 cr.
ATE	2050	Small Animal Breeds and Behavior.....	1 cr.
ATE	2501	Veterinary Professional Development/Ethics Seminar.....	1 cr.
ATE	2611	Animal Medicine I.....	3 cr.
ATE	2612	Small Animal Nursing II.....	3 cr.
ATE	2614	Animal Medicine II.....	3 cr.
ATE	2631	Small Animal Nursing I.....	3 cr.
ATE	2636	Large Animal Nursing and Clinical Skills.....	2 cr.
ATE	2638	Animal Clinical Pathology I.....	3 cr.
ATE	2638L	Animal Clinical Pathology I Laboratory.....	2 cr.
ATE	2639	Animal Clinical Pathology II.....	3 cr.
ATE	2639L	Animal Clinical Pathology II Laboratory.....	2 cr.
ATE	2651L	Small Animal Nursing Laboratory.....	2 cr.
ATE	2652L	Veterinary Clinical Practice Laboratory II.....	1 cr.
ATE	2661	Large Animal Diseases.....	1 cr.
ATE	2671L	Medicine of Laboratory Animals.....	2 cr.
ATE	2710	Animal Emergency Medicine.....	2 cr.
ATE	2722	Avian and Exotic Pet Medicine.....	2 cr.
ATE	2945	Veterinary Work Experience III.....	1 cr.
ATE	2946	Veterinary Work Experience IV.....	1 cr.