

# HILLSBOROUGH COMMUNITY COLLEGE

## ACADEMIC ADVISING GUIDE ♦ ASSOCIATE IN APPLIED SCIENCE ♦ 2009/2010

### Degree/Program Code AAS.ACG.TECH - ACCOUNTING TECHNOLOGY

This guide does not constitute a contract. It represents the minimum hours and course work you must complete to satisfy specific degree requirements. Additional preparatory courses may be necessary in reading, English, or mathematics, depending on your placement test scores. You must see an advisor or counselor your first term to determine which preparatory courses are required and to determine if any program revisions have occurred.

#### GENERAL EDUCATION REQUIREMENTS (15 HOURS)

GROUP I COMMUNICATIONS (3 hours) G*				IP	C
ENC	1101	English Composition I	3		

GROUP II HUMANITIES (3 hours) G*				IP	C
AML	2010	American Literature to 1885	3		
AML	2020	American Literature 1885 to Present	3		
AML	2600	African-American Literature	3		
ARH	1000	Art Appreciation	3		
DAN	2100	Intro to Dance	3		
ENL	2012	British Literature to 1800	3		
ENL	2022	British Literature 1800 to Present	3		
HUM	2210	Wrld. Hum: Prehist. To Early Mod. Era	3		
HUM	2230	Wrld. Hum: Early Mod to Contemp.	3		
HUM	2410	Asian Humanities	3		
HUM	2420	African Humanities	3		
HUM	2461	Latin American Humanities	3		
LIT	2110	World Literature I	3		
LIT	2120	World Literature II	3		
MUL	1010	Introduction to Music	3		
PHI	1010	Introduction to Philosophy	3		
PHI	1100	Elementary Logic	3		
PHI	1600	Ethics	3		
REL	2300	Introduction to Religion	3		
THE	1000	Introduction to Theater Arts	3		

GROUP III MATHEMATICS (3 hours) G*				IP	C
MGF	1119	Intro to Math w/App'l (non Transfer) or *any General Education Math course (transfer)	3		

GROUP IV SOCIAL SCIENCE (6 hours) G*				IP	C
PSY	2012	General Psychology	3		
SYG	2000	Introduction to Sociology	3		

\* Prerequisite and/or corequisite required. See course description in the current HCC catalog.

#### G GORDON RULE COURSE

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#### PROGRAM REQUIREMENTS (49)

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

Total Credits: 64

IP - In Progress  
C - Completed Course

Students must apply for degree by the deadline date (see catalog for further details).

# HILLSBOROUGH COMMUNITY COLLEGE

ACADEMIC ADVISING GUIDE ♦ ASSOCIATE IN SCIENCE/ASSOCIATE IN APPLIED SCIENCE ♦ 2009/2010

## Degree/Program Code AS/AAS.AQUA - AQUACULTURE

This guide does not constitute a contract. It represents the minimum hours and course work you must complete to satisfy specific degree requirements. Additional preparatory courses may be necessary in reading, English, or mathematics, depending on your placement test scores. You must see an advisor or counselor your first term to determine which preparatory courses are required and to determine if any program revisions have occurred.

### GENERAL EDUCATION REQUIREMENTS (16 HOURS)

GROUP I COMMUNICATIONS (3 hours) G*				IP	C
ENC	1101	English Composition I	3		

GROUP II HUMANITIES (3 hours) G*				IP	C
AML	2010	American Literature to 1885	3		
AML	2020	American Literature 1885 to Present	3		
AML	2600	African-American Literature	3		
ARH	1000	Art Appreciation	3		
DAN	2100	Intro to Dance	3		
ENL	2012	British Literature to 1800	3		
ENL	2022	British Literature 1800 to Present	3		
HUM	2210	Wrld. Hum: Prehist. To Early Mod. Era	3		
HUM	2230	Wrld. Hum: Early Mod to Contemp.	3		
HUM	2410	Asian Humanities	3		
HUM	2420	African Humanities	3		
HUM	2461	Latin American Humanities	3		
LIT	2110	World Literature I	3		
LIT	2120	World Literature II	3		
MUL	1010	Introduction to Music	3		
PHI	1010	Introduction to Philosophy	3		
PHI	1100	Elementary Logic	3		
PHI	1600	Ethics	3		
REL	2300	Introduction to Religion	3		
THE	1000	Introduction to Theater Arts	3		

GROUP III MATHEMATICS/SCIENCE (7 HOURS) G*				IP	C
ESC	1000	Earth Science	3		
ESC	1000L	Earth Science Lab	1		
		or			
OCB	2000	Marine Biology	3		
OCB	2000L	Marine Biology Lab	1		
MGF	1119	Introduction to Math with Applications (non transfer) or *any General Education math course (transfer)	3		

GROUP IV SOCIAL SCIENCE (3 HOURS) G*				IP	C
ANT	2000	Introduction to Anthropology OR	3		
PSY	2012	General Psychology OR	3		
SYG	2000	Introduction to Sociology	3		

### PROGRAM REQUIREMENTS (44 HOURS)

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

Total Credits: 60

IP - In Progress

C - Completed Course

Students must apply for degree by the deadline date (see catalog for further details).

\* Prerequisite and/or corequisite required. See course descriptions in the current HCC catalog.

G GORDON RULE COURSE

# HILLSBOROUGH COMMUNITY COLLEGE

ACADEMIC ADVISING GUIDE ♦ ASSOCIATE IN SCIENCE OR ASSOCIATE IN APPLIED SCIENCE ♦ 2009/2010

## Degree/Program Code AS/AAS.ADCT - ARCHITECTURAL DESIGN & CONSTRUCTION TECHNOLOGY

This guide does not constitute a contract. It represents the minimum hours and course work you must complete to satisfy degree requirements. Additional preparatory courses may be necessary in reading, English, or mathematics, depending on your placement test scores. You must see an advisor or counselor your first term to determine which preparatory courses are required or to determine if any program revisions have occurred.

### GENERAL EDUCATION REQUIREMENTS (15 HOURS)

GROUP I COMMUNICATIONS (3 hours) G*				IP	C
ENC	1101	English Composition I	3		

GROUP II HUMANITIES (3 hours) G*				IP	C
AML	2010	American Literature to 1885	3		
AML	2020	American Literature 1885 to Present	3		
AML	2600	African-American Literature	3		
ARH	1000	Art Appreciation	3		
DAN	2100	Intro to Dance	3		
ENL	2012	British Literature to 1800	3		
ENL	2022	British Literature 1800 to Present	3		
HUM	2210	Wrld. Hum: Prehist. To Early Mod. Era	3		
HUM	2230	Wrld. Hum: Early Mod to Contemp.	3		
HUM	2410	Asian Humanities	3		
HUM	2420	African Humanities	3		
HUM	2461	Latin American Humanities	3		
LIT	2110	World Literature I	3		
LIT	2120	World Literature II	3		
MUL	1010	Introduction to Music	3		
PHI	1010	Introduction to Philosophy	3		
PHI	1100	Elementary Logic	3		
PHI	1600	Ethics	3		
REL	2300	Introduction to Religion	3		
THE	1000	Introduction to Theater Arts	3		

GROUP III MATHEMATICS (3 hours) G*				IP	C
MGF	1119	Intro to Math w/Appl (non Transfer) or *any General Education Math course (transfer)	3		

GROUP IV SOCIAL SCIENCE (3 hours) G*				IP	C
		Social Science (select from General Education courses)	3		

SPECIFIED GEN. EDUCATION REQUIREMENT (3 hours) G*				IP	C
		Students may select 3 credits from General Education courses in Humanities, Social Science, or Natural Science	3		

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### PROGRAM REQUIREMENTS (51)

				IP	C
ARC	2304	Architectural Design IV	5		
ARC	2461	Materials & Methods I	3		
ARC	2501	Architectural Structures I	4		
BCN	1210	Const. Materials & Processes	3		
BCN	1250	Introduction to Graphic Technology	3		
BCN	2272	Blueprint Reading	3		
*BCN	2291C	Construction Materials Testing I	3		
*BCN	2942	Construction Internship	3		
*BCT	2770C	Construction Estimating	3		
CGS	1007	Introduction to Computers	1		
SPC	1006	Speech Improvement	1		
SUR	2000C	Surveying I	3		
*TAR	1120	Architectural Drawing I	3		
*TAR	1122C	Architectural Drawing II	3		
TAR	2053	Intro to Comp Aided Design/Draft	3		
TAR	2054	Intermediate Com Aided Design/Draft	3		
TAR	2055	Advanced CADD	3		
		Elective	1		

Total Credits: 66

IP - In Progress  
C - Completed Course

\* Prerequisite and/or corequisite required. See course description in the current HCC catalog.

### G GORDON RULE COURSE

Students must apply for degree by the deadline date (see catalog for further details).

# HILLSBOROUGH COMMUNITY COLLEGE

## ACADEMIC ADVISING GUIDE ♦ ASSOCIATE IN SCIENCE ♦ 2009/2010

### Degree/Program Code AS.BUS.MAN - BUSINESS ADMINISTRATION (A.S. to B.S.)

This guide does not constitute a contract. It represents the minimum hours and course work you must complete to satisfy degree requirements. Additional preparatory courses may be necessary in reading, English, or mathematics, depending on your placement test scores. You must see an advisor or counselor your first term to determine which preparatory courses are required or to determine if any program revisions have occurred.

#### GENERAL EDUCATION REQUIREMENTS (18 HOURS)

GROUP I COMMUNICATIONS (9 HOURS) G*				IP	C
ENC	1101	English Composition I	3		
ENC	1102	English Composition II	3		
SPC	1608	Public Speaking	3		

GROUP II HUMANITIES (3 hours) G*				IP	C
AML	2010	American Literature to 1885	3		
AML	2020	American Literature 1885 to Present	3		
AML	2600	African-American Literature	3		
ARH	1000	Art Appreciation	3		
DAN	2100	Intro to Dance	3		
ENL	2012	British Literature to 1800	3		
ENL	2022	British Literature 1800 to Present	3		
HUM	2210	Wrld. Hum: Prehist. To Early Mod. Era	3		
HUM	2230	Wrld. Hum: Early Mod to Contemp.	3		
HUM	2410	Asian Humanities	3		
HUM	2420	African Humanities	3		
HUM	2461	Latin American Humanities	3		
LIT	2110	World Literature I	3		
LIT	2120	World Literature II	3		
MUL	1010	Introduction to Music	3		
PHI	1010	Introduction to Philosophy	3		
PHI	1100	Elementary Logic	3		
PHI	1600	Ethics	3		
REL	2300	Introduction to Religion	3		
THE	1000	Introduction to Theater Arts	3		

GROUP III MATHEMATICS (6 HOURS) G*				IP	C
MAC	1105	College Algebra	3		
STA	2023	Elementary Statistics	3		

\* Prerequisite and/or corequisite required. See course description in the current HCC catalog.

#### G GORDON RULE COURSE

#### PROGRAM REQUIREMENTS (46 HOURS)

CORE REQUIREMENTS (30)				IP	C
* ACG	2021	Financial Accounting	3		
*ACG	2071	Managerial Accounting	3		
CGS	1000	Intro to Computers & Technology	3		
* ECO	2013	Principles of Macroeconomics	3		
* ECO	2023	Principles of Microeconomics	3		
FIN	2001	Principles of Finance	3		
GEB	1011	Introduction to Business	3		
* MAC	2233	Calculus for Business	3		
MAN	1021	Principles of Management	3		
MAR	1011	Principles of Marketing	3		

#### PROGRAM REQUIREMENTS (Select 16 hours)

BUL	2241	Business Law I	3		
* BUL	2242	Business Law II	3		
CGS	1104	Accounting Applications	1		
CGS	1160	Desktop information Management	1		
CGS	1510	Spreadsheet Applications	1		
CGS	1540	Database Management I	1		
* CGS	2301	Management Information Systems	3		
GEB	2350	Intro. International Bus/Essential	3		
MNA	1162	Intro. to Customer Service Tech.	3		
*OST	1335	Business Communications	3		
*PHI	1600	Ethics	3		
SBM	2000	Small Business Management	3		
SPN	1015	Conver Spanish/OCC Prog	2		

Students must apply for degree by the deadline date  
(see catalog for further details).

Total Credits: 64

IP - In Progress  
C - Completed Course

**Degree/Program Code AS.BUS.MAN - BUSINESS ADMINISTRATION  
(A.S. to B.S.)**

**SUGGESTED GUIDELINES FOR A.S. TO B.S. BUSINESS ADMINISTRATION MANAGEMENT (AS.BUS.MAN)**

An Associate in Science degree that can articulate into a baccalaureate degree is allowed under the provision of the Florida State Board of Education rule 6A-10.024. This particular degree program can transfer into the following university degree programs:

A.S. Degree Program	University Degree Program	Total Hours of University Program
Business Administration & Mgmt.	Business, General (#52.0101)	120
Business Administration & Mgmt.	Bus Admin & Mgmt (#52.0201)	120

The universities for the 2008/2009 year that are offering the aforementioned university articulated degree programs are as follows:

1. Business, General - FSU\*, UCF, USF\* -\*Limited Access
2. Business Administration & Management - FAMU, FAU, FGCU, FIU\*, FSU", UCF, UF, USF\*, UNF, UWF. - \*Limited Access

The articulated A.S. in Business Administration & Management shall include:

- Twenty-four (24) hours of general education.
- The following courses are required: ENC 1101, ENC 1102 SPC 1608, 3 hours of Humanities, MAC 1105, ECO 2013, ECO 2023, & MAC 2233.
- Twelve (12) hours of additional common prerequisites, including ACG 2021, ACG 2071, CGS 1000, and STA 2023.
- Twenty-eight (28) hours in professional courses, with a maximum of 12 hours as "business-labeled" courses. All "professional" courses include business labeled courses and program requirements.

The baccalaureate in business, general or business administration and management shall include:

- 12 hours of general education remaining hours as determined by the receiving institution.
- Fifty-six (56) hours in professional and/or other courses required to complete the degree, forty-eight (48) hours of which may be "business-labeled" courses.

All transferring student must meet the senior-institutions admissions requirements (e.g., the foreign language admissions requirements at the senior institution).

**FOR ALL MAJORS:** Students are strongly encouraged to select required lower division electives that will enhance their general education coursework and that will support their intended baccalaureate degree program. Student should consult with an academic advisor in their major degree area.

**NOTE:** The following list of common prerequisite courses should be taken at the CC prior to transferring:

ACG 2021, ACG 2071, CGS 1000, ECO 2013, ECO 2023, STA 2023.

At UCF, ECO 3401 is an acceptable substitution for STA 2023, and MAC 2233.

# HILLSBOROUGH COMMUNITY COLLEGE

ACADEMIC ADVISING GUIDE ♦ ASSOCIATE IN SCIENCE/ASSOCIATE IN APPLIED SCIENCE ♦ 2009/2010

## Degree/Program Code AS/AAS.BUS.MAN.INT BUSINESS ADMINISTRATION INTERNATIONAL BUSINESS OPTION

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### GENERAL EDUCATION REQUIREMENTS (15 HOURS)

GROUP I COMMUNICATIONS (3 hours) G*				IP	C
ENC	1101	English Composition I	3		

GROUP II HUMANITIES (3 hours) G*				IP	C
HUM	2230	Wrld. Hum: Early Mod to Contemp.	3		
HUM	2410	Asian Humanities	3		
HUM	2420	African Humanities	3		

GROUP III MATHEMATICS (3 HOURS) G*				IP	C
MGF	1106	Math For Liberal Arts I (transfer)	3		
MGF	1119	Intro to Math w/Appl (non Transfer)	3		

GROUP IV SOCIAL SCIENCE (6 HOURS) G*				IP	C
ANT	2000	Introduction to Anthropology	3		
PSY	2012	General Psychology	3		

### PROGRAM REQUIREMENTS (49 HOURS)

				IP	C
ACG	2021	Financial Accounting	3		
BUL	2241	Business Law I	3		
*BUL	2242	Business Law II	3		
CGS	1000	Intro to Computers & Technology	3		
ECO	1000	Introduction to Economics	3		
FIN	2001	Principles of Finance	3		
FIN	2051	International Financial Man.	3		
GEB	1011	Introduction to Business	3		
GEB	2350	Intro. International Bus/Essential	3		
GEB	2361	Intro. International Bus/Policy	3		
MAN	1021	Principles of Management	3		
MAN	1949	Management Internship	3		
MAN	2604	Intercultural Relations/Bus	3		
MAR	1011	Principles of Marketing	3		
MAR	2156	International Marketing	3		
*OST	1335	Business Communications	3		
SPC	1006	Speech Improvement	1		

Total Credits: 64

IP - In Progress
C - Completed Course

\* Prerequisite and/or corequisite required. See course description in the current HCC catalog.

G GORDON RULE COURSE

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# HILLSBOROUGH COMMUNITY COLLEGE

## ACADEMIC ADVISING GUIDE ♦ ASSOCIATE IN APPLIED SCIENCE ♦ 2009/2010

### Degree/Program Code AAS.BUS.MAR BUSINESS ADMINISTRATION INTERNATIONAL MARKETING OPTION

This guide does not constitute a contract. It represents the minimum hours and course work you must complete to satisfy degree requirements. Additional preparatory courses may be necessary in reading, English, or mathematics, depending on your placement test scores. You must see an advisor or counselor your first term to determine which preparatory courses are required or to determine if any program revisions have occurred.

#### GENERAL EDUCATION REQUIREMENTS (15 HOURS)

GROUP I COMMUNICATIONS (9 HOURS) G*				IP	C
ENC	1101	English Composition I	3		
ENC	1102	English Composition II	3		
SPC	1608	Public Speaking	3		

GROUP II HUMANITIES (3 hours) G*				IP	C
AML	2010	American Literature to 1885	3		
AML	2020	American Literature 1885 to Present	3		
AML	2600	African-American Literature	3		
ARH	1000	Art Appreciation	3		
DAN	2100	Intro to Dance	3		
ENL	2012	British Literature to 1800	3		
ENL	2022	British Literature 1800 to Present	3		
HUM	2210	Wrld. Hum: Prehist. To Early Mod. E	3		
HUM	2230	Wrld. Hum: Early Mod to Contemp.	3		
HUM	2410	Asian Humanities	3		
HUM	2420	African Humanities	3		
HUM	2461	Latin American Humanities	3		
LIT	2110	World Literature I	3		
LIT	2120	World Literature II	3		
MUL	1010	Introduction to Music	3		
PHI	1010	Introduction to Philosophy	3		
PHI	1100	Elementary Logic	3		
PHI	1600	Ethics	3		
REL	2300	Introduction to Religion	3		
THE	1000	Introduction to Theater Arts	3		

GROUP III MATHEMATICS (3 HOURS) G*				IP	C
MAC	1105	College Algebra	3		

#### PROGRAM REQUIREMENTS (49 HOURS)

				IP	C
*ACG	2021	Financial Accounting	3		
*ACG	2071	Managerial Accounting	3		
CGS	1000	Intro to Computers & Technology	3		
*ECO	2013	Macroeconomics	3		
*ECO	2023	Microeconomics	3		
STA	2023	Elementary Statistics	3		
*MAC	2233	Calculus for Business	3		

#### SELECT 28 CREDITS FROM THE FOLLOWING:

CGS	1107	Introduction to Computers	1		
GEB	1011	Introduction to Business	3		
MAR	1011	Principles of Marketing	3		
MAR	2156	Introduction to Marketing	3		
MKA	1041	Introduction to Retailing	3		
MKA	1949	Marketing Internship	3		
MKA	2021	Salesmanship	3		
MKA	2103	Merchandising	3		
MKA	2105	Marketing Problems	3		
MKA	2162	Creative Selling	3		

Total Credits: 64

IP - In Progress  
C - Completed Course

Students must apply for a degree by the deadline date (see catalog for further details).

# HILLSBOROUGH COMMUNITY COLLEGE

## ACADEMIC ADVISING GUIDE ♦ ASSOCIATE IN APPLIED SCIENCE ♦ 2009/2010

### Degree/Program Code AAS.CET COMPUTER ENGINEERING TECHNOLOGY (NON-TRANSFER)

This guide does not constitute a contract. It represents the minimum hours and course work you must complete to satisfy degree requirements. Additional preparatory courses may be necessary in reading, English, or mathematics, depending on your placement test scores. You must see an advisor or counselor your first term to determine which preparatory courses are required or to determine if any program revisions have occurred.

#### GENERAL EDUCATION REQUIREMENTS (16 HOURS)

GROUP I COMMUNICATIONS (3 hours) G*				IP	C
ENC	1101	English Composition I	3		

GROUP II HUMANITIES (3 hours) G*				IP	C
AML	2010	American Literature to 1885	3		
AML	2020	American Literature 1885 to Present	3		
AML	2600	African-American Literature	3		
ARH	1000	Art Appreciation	3		
DAN	2100	Intro to Dance	3		
ENL	2012	British Literature to 1800	3		
ENL	2022	British Literature 1800 to Present	3		
HUM	2210	Wrld. Hum: Prehist. To Early Mod. Era	3		
HUM	2230	Wrld. Hum: Early Mod to Contemp.	3		
HUM	2410	Asian Humanities	3		
HUM	2420	African Humanities	3		
HUM	2461	Latin American Humanities	3		
LIT	2110	World Literature I	3		
LIT	2120	World Literature II	3		
MUL	1010	Introduction to Music	3		
PHI	1010	Introduction to Philosophy	3		
PHI	1100	Elementary Logic	3		
PHI	1600	Ethics	3		
REL	2300	Introduction to Religion	3		
THE	1000	Introduction to Theater Arts	3		

GROUP III MATHEMATICS (3 hours) G*				IP	C
MGF	1119	Into to Mathematics w/Applications	3		

GROUP IV SOCIAL SCIENCE (3 hours) G*				IP	C
		Social Science (select from General Education courses)	3		

GROUP V NATURAL SCIENCE (4 hours) G*				IP	C
PSC	1515	Energy & the Environment	3		
PSC	1515L	Energy & the Environment	1		

\* Prerequisite and/or corequisite required. See course description in the current HCC catalog.

#### G GORDON RULE COURSE

#### PROGRAM REQUIREMENTS (52 HOURS)

				IP	C
CET	1112C	Basic Digital Systems	3		
CET	1123C	Intro. Microprocessors	3		
*CET	1172C	Computer Upgrade & Repair	3		
*CET	1174C	Adv. Computer Repair	3		
*CET	1556C	Structured Cabling	3		
*CET	2113C	Digital Systems Analysis	3		
*CET	2152C	Advanced Microprocessors	3		
CET	2939	Computer Eng. Tech Capstone	3		
CGS	1000	Intro. To Computers & Technology	3		
CTS	1305	Intro. To Networking	3		
CTS	1327	MS Windows Professional	3		
EET	1036C	Basic AC-DC	3		
*EET	1083C	Electronics Orientation	3		
EET	1141C	Solid State Devices	3		
*MTB	1327	Electronics Math	4		

#### SELECT 6 CREDITS FROM THE FOLLOWING:

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

Total Credits: 68

IP - In Progress  
C - Completed Course

Students must apply for a degree by the deadline date (see catalog for further details).

# HILLSBOROUGH COMMUNITY COLLEGE

## ACADEMIC ADVISING GUIDE ♦ ASSOCIATE IN SCIENCE ♦ 2009/2010

### Degree/Program Code A.S.CET.UNIV - COMPUTER ENGINEERING TECHNOLOGY UNIVERSITY TRANSFER OPTION

This guide does not constitute a contract. It represents the minimum hours and course work you must complete to satisfy specific degree requirements. Additional preparatory courses may be necessary in reading, English, or mathematics, depending on your placement test scores. You must see an advisor or counselor your first term to determine which preparatory courses are required and to determine if any program revisions have occurred.

#### GENERAL EDUCATION REQUIREMENTS (22)

GROUP I COMMUNICATIONS (9 hours) G*				IP	C
ENC	1101	Freshman English I	3		
ENC	1102	Freshman English II	3		
SPC	1608	Public Speaking	3		

GROUP II HUMANITIES (3 hours) G*				IP	C
AML	2010	American Literature to 1885	3		
AML	2020	American Literature 1885 to Present	3		
AML	2600	African-American Literature	3		
ARH	1000	Art Appreciation	3		
DAN	2100	Intro to Dance	3		
ENL	2012	British Literature to 1800	3		
ENL	2022	British Literature 1800 to Present	3		
HUM	2210	Wrld. Hum: Prehist. To Early Mod. Era	3		
HUM	2230	Wrld. Hum: Early Mod to Contemp.	3		
HUM	2410	Asian Humanities	3		
HUM	2420	African Humanities	3		
HUM	2461	Latin American Humanities	3		
LIT	2110	World Literature I	3		
LIT	2120	World Literature II	3		
MUL	1010	Introduction to Music	3		
PHI	1010	Introduction to Philosophy	3		
PHI	1100	Elementary Logic	3		
PHI	1600	Ethics	3		
REL	2300	Introduction to Religion	3		
THE	1000	Introduction to Theater Arts	3		

GROUP III MATHEMATICS (3 hours) G*				IP	C
MAC	1105	College Algebra	3		

GROUP IV SOCIAL SCIENCE (3 hours) G*				IP	C
		Social Science (select from General Education courses)	3		

GROUP V NATURAL SCIENCE (4 hours) G*				IP	C
PHY	1053	General Physics I	3		
PHY	1053L	General Physics I Lab	1		

\*Prerequisite and/or co-requisite required. See course descriptions in current HCC catalog.

#### G GORDON RULE COURSE

Students must apply for degree by the deadline date (see catalog for further details).

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#### PROGRAM REQUIREMENTS (46)

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

#### Select 3 hours from the History/Political Science List: \*G

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

#### Select 4 hours from the following:

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

Total Credits: 68

IP - In Progress  
C - Completed Course

# HILLSBOROUGH COMMUNITY COLLEGE

ACADEMIC ADVISING GUIDE ♦ ASSOCIATE IN SCIENCE/ASSOCIATE IN APPLIED SCIENCE ♦ 2009/2010

## Degree/Program Code AS/AAS.CIA COMPUTER INFORMATION ADMINISTRATOR

This guide does not constitute a contract. It represents the minimum hours and course work you must complete to satisfy degree requirements. Additional preparatory courses may be necessary in reading, English, or mathematics, depending on your placement test scores. You must see an advisor or counselor your first term to determine which preparatory courses are required or to determine if any program revisions have occurred.

### GENERAL EDUCATION REQUIREMENTS (15 HOURS)

GROUP I COMMUNICATIONS (3 hours) G*				IP	C
ENC	1101	Freshman English I	3		

GROUP II HUMANITIES (3 hours) G*				IP	C
AML	2010	American Literature to 1885	3		
AML	2020	American Literature 1885 to Present	3		
AML	2600	African-American Literature	3		
ARH	1000	Art Appreciation	3		
DAN	2100	Intro to Dance	3		
ENL	2012	British Literature to 1800	3		
ENL	2022	British Literature 1800 to Present	3		
HUM	2210	Wrld. Hum: Prehist. To Early Mod. Era	3		
HUM	2230	Wrld. Hum: Early Mod to Contemp.	3		
HUM	2410	Asian Humanities	3		
HUM	2420	African Humanities	3		
HUM	2461	Latin American Humanities	3		
LIT	2110	World Literature I	3		
LIT	2120	World Literature II	3		
MUL	1010	Introduction to Music	3		
PHI	1010	Introduction to Philosophy	3		
PHI	1100	Elementary Logic	3		
PHI	1600	Ethics	3		
REL	2300	Introduction to Religion	3		
THE	1000	Introduction to Theater Arts	3		

GROUP III MATHEMATICS (3 hours) G*				IP	C
MGF	1119	Intro to Math w/Appl (non Transfer)	3		
		OR *any Gen Ed math course (transfer)			

GROUP IV SOCIAL SCIENCE (6 hours) G*				IP	C
		General Ed Social Sci. or Natural Sci.	3		
		ENC 1102 or Gen Ed Social Science	3		

\* Prerequisite and/or corequisite required. See course description in the current HCC catalog.

### G GORDON RULE COURSE

Total Credits: 63

IP - In Progress
C - Completed Course

### PROGRAM REQUIREMENTS (48 HOURS)

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

### Select at least 3 credits from the following list:

				IP	C
*CET	1556C	Structured Cabling	3		
*CGS	1160	Desktop Information Management	1		
*CGS	1510	Spreadsheet Applications I	1		
*CGS	1871	Multimedia Authoring I	3		
*CGS	2511	Spreadsheet Applications II	1		
*CGS	2512	Spreadsheet Applications III	1		
*CGS	2825	Web Site Management	3		
*CGS	2874	Multimedia Authoring II	3		
*CIS	2941	Computer Information Internship	3		
CNT	2405	Adv. Internetworking Security	3		
*COP	1821	Visual Basic, Advanced	3		
*COP	2823	Graphic Design Multimedia/Net	3		
*COP	2826	Adv. Graphic Design for Multi/Net	3		
CTS	1106	Introduction to UNIX	3		
CTS	1328	Microsoft Windows Server	3		
CTS	1306	Micro. Windows Impl. & Support	3		
CTS	2301	Unix/Linux Administration I	3		
*OST	1142	Keyboarding I	1		
*OST	1335	Business Communications	3		
*OST	1741	Word Processing I	1		
*OST	1813	Desktop Publishing	3		
OST	1825	Desktop Design	3		
*OST	1831	Introduction to Windows I	1		
*OST	1832	Introduction to Windows II	1		
OST	2742	Word Processing II	1		

Students must apply for degree by the deadline date (see catalog for further details).

# HILLSBOROUGH COMMUNITY COLLEGE

ACADEMIC ADVISING GUIDE ♦ ASSOCIATE IN SCIENCE/ASSOCIATE IN APPLIED SCIENCE ♦ 2009/2010

## Degree/Program Code AS/AAS.COP COMPUTER PROGRAMMING

This guide does not constitute a contract. It represents the minimum hours and course work you must complete to satisfy degree requirements. Additional preparatory courses may be necessary in reading, English, or mathematics, depending on your placement test scores. You must see an advisor or counselor your first term to determine which preparatory courses are required or to determine if any program revisions have occurred.

### GENERAL EDUCATION REQUIREMENTS (15 HOURS)

GROUP I COMMUNICATIONS (3 hours) G*				IP	C
ENC	1101	Freshman English I	3		

### GROUP II HUMANITIES (3 hours) G\*

GROUP II HUMANITIES (3 hours) G*				IP	C
AML	2010	American Literature to 1885	3		
AML	2020	American Literature 1885 to Present	3		
AML	2600	African-American Literature	3		
ARH	1000	Art Appreciation	3		
DAN	2100	Intro to Dance	3		
ENL	2012	British Literature to 1800	3		
ENL	2022	British Literature 1800 to Present	3		
HUM	2210	Wrld. Hum: Prehist. To Early Mod. Era	3		
HUM	2230	Wrld. Hum: Early Mod to Contemp.	3		
HUM	2410	Asian Humanities	3		
HUM	2420	African Humanities	3		
HUM	2461	Latin American Humanities	3		
LIT	2110	World Literature I	3		
LIT	2120	World Literature II	3		
MUL	1010	Introduction to Music	3		
PHI	1010	Introduction to Philosophy	3		
PHI	1100	Elementary Logic	3		
PHI	1600	Ethics	3		
REL	2300	Introduction to Religion	3		
THE	1000	Introduction to Theater Arts	3		

### GROUP III MATHEMATICS (3 hours) G\*

GROUP III MATHEMATICS (3 hours) G*				IP	C
MGF	1119	Intro to Math w/Appl (non Transfer)	3		
		OR *any Gen Ed math course (transfer)			

### GROUP IV SOCIAL SCIENCE (6 hours) G\*

GROUP IV SOCIAL SCIENCE (6 hours) G*				IP	C
		General Ed Social Sci. or Natural Sci.	3		
		ENC 1102 or Gen Ed Social Science	3		

\* Prerequisite and/or corequisite required. See course description in the current HCC catalog.

### G GORDON RULE COURSE

Total Credits: 63

IP - In Progress
C - Completed Course

### PROGRAM REQUIREMENTS (48 HOURS)

				IP	C
CGS	1000	Intro. to Computers & Technology	3		
CGS	1761	Computer Operating Systems	3		
*CGS	2301	Management Information Systems	3		
*CGS	2541	Database Design	3		
*CIS	2321	Systems Analysis	3		
*COP	1000	Programming Logic	3		
*COP	1120	COBOL, Beginning	3		
COP	1220	Programming In "C"	3		
COP	1812	Introduction to XML	3		
COP	1820	Visual Basic, Beginning	3		
COP	2360	Programming in C#	3		
COP	2800	JAVA, Programming	3		
COP	2805	JAVA, Advanced	3		
COP	2939	Computer Programming Capstone	3		
CTS	1106	Introduction to UNIX	3		

### Select at least 3 credits from the following list:

				IP	C
CGS	1936	Perl and CGI	3		
COP	1821	Visual BASIC, Advanced	3		
COP	2224	Programming in C++	3		
COP	2344	Shell Scripting	3		
COP	2822	Scripting for the Web	3		
COP	2940	Comp. Programming Internship	3		
CTS	1305	Introduction to Networking	3		
CTS	2301	Unix/Linux Administration I	3		
CTS	2440	Database Programming-SQL	3		

Students must apply for degree by the deadline date (see catalog for further details).

Students should be able to touch-type at least 30 WPM. It is recommended that students who do not possess typing skills take OST 1142.

# HILLSBOROUGH COMMUNITY COLLEGE

ACADEMIC ADVISING GUIDE ♦ ASSOCIATE IN APPLIED SCIENCE ♦ 2009/2010

## Degree/Program Code AAS.BCT - CONSTRUCTION MANAGEMENT TECHNOLOGY

This guide does not constitute a contract. It represents the minimum hours and course work you must complete to satisfy degree requirements. Additional preparatory courses may be necessary in reading, English, or mathematics, depending on your placement test scores. You must see an advisor or counselor your first term to determine which preparatory courses are required or to determine if any program revisions have occurred.

### GENERAL EDUCATION REQUIREMENTS (16 HOURS)

GROUP I COMMUNICATIONS (3 hours) G*				IP	C
ENC	1101	English Composition I	3		

GROUP II HUMANITIES (3 hours) G*				IP	C
PHI	1600	Ethics	3		

GROUP III MATHEMATICS (3 hours) *				IP	C
MGF	1119	Intro to Math w/Appl (non Transfer) or			
*any General Education Math course (transfer)			3		

GROUP IV SOCIAL SCIENCE (3 hours) G*				IP	C
PSY	2012	General Psychology	3		

GROUP V NATURAL SCIENCE (4 hours) G*				IP	C
ECO	1000	Earth Science	3		
ECO	1000L	Earth Science Lab	1		

\* Prerequisite and/or corequisite required. See course description in the current HCC catalog.

### G GORDON RULE COURSE

### PROGRAM REQUIREMENTS (51)

				IP	C
BCN	1210	Const. Materials & Processes	3		
BCN	1250	Introduction to Graphic Tech.	3		
BCN	1720	Construction Methods	3		
BCN	2272	Blueprint Reading	3		
BCN	2405	Structural Design	3		
BCN	2743	Construction Law	3		
*BCN	2942C	Construction Internship	3		
BCT	1760	Building Code & Safety Regul.	3		
BCT	2705	Construction Management	3		
BCT	2730	Construction Supervision	3		
BCT	2750	Bldg Construct Contracts/Fin.	3		
BCT	2770C	Construction Estimating	3		
CGS	1000	Introduction to Computers	3		
EVS	2893C	Environment Sample/Analysis I	5		
PHY	1025	Fund of Physics	3		
PHY	1025L	Fund of Physics Lab	1		
SUR	1000C	Surveying I	3		

Total Credits: 67

IP - In Progress
C - Completed Course

Students must apply for degree by the deadline date (see catalog for further details).

# HILLSBOROUGH COMMUNITY COLLEGE

## ACADEMIC ADVISING GUIDE ♦ ASSOCIATE IN SCIENCE ♦ 2009/2010

### Degree/Program Code A.S.CJT - CRIMINAL JUSTICE TECHNOLOGY

This guide does not constitute a contract. It represents the minimum hours and course work you must complete to satisfy specific degree requirements. Additional preparatory courses may be necessary in reading, English, or mathematics, depending on your placement test scores. You must see an advisor or counselor your first term to determine which preparatory courses are required and to determine if any program revisions have occurred.

#### GENERAL EDUCATION REQUIREMENTS (18)

GROUP I COMMUNICATIONS (3 hours) G*				IP	C
ENC	1101	English Composition I	3		

GROUP II HUMANITIES (3 hours) G*				IP	C
PHI	1010	Introduction to Philosophy <b>OR</b>	3		
PHI	1100	Elementary Logic <b>OR</b>			
PHI	1600	Ethics			

GROUP III MATHEMATICS (3 hours) *G				IP	C
MAC	1105	College Algebra	3		
<i>or 3 credit hours of any gen ed mathematics</i>					

GROUP IV SOCIAL SCIENCE (9 hours) G*				IP	C
POS	2041	American Government	3		
PSY	2012	General Psychology	3		
SYG	2000	Introduction to Sociology	3		

\*Prerequisite and/or co-requisite required. See course descriptions in current HCC catalog.

#### G GORDON RULE COURSE

**Note 1:** Regardless of degree work completed, in order to be a sworn law enforcement, corrections or probation officer in the State of Florida you must successfully complete a state mandated training academy.

**Note 2:** 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](http://www.hccfl.edu/yborcampus/cjt) for specific details.

\*Recommended course for the first semester.

\*\*May not be taken if chosen to fulfill previous category.

Students must apply for degree by the deadline date (see catalog for further details).

Total Credits: 64

IP - In Progress

C - Completed Course

#### PROGRAM REQUIREMENTS (46)

				IP	C
*CCJ	1010	Introduction to Criminology	3		
*CCJ	1020	Introduction to Criminal Justice	3		
CCJ	2910	Direct Research	3		
CCJ	2940	Criminal Justice Internship	3		
CJE	2004	Career Choices in Criminal Justice	1		
CJJ	1002	Juvenile Delinquency	3		
CJL	1062	Constitutional Law	3		
CJL	1100	Criminal Law	3		
CJL	2130	Criminal Evidence & Procedures	3		

#### Select 3 credit hours from the following:

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

#### Select 18 hours from the following:

CCJ	1935	Seminar on CJ Issues	3		
CCJ	2013	Introduction to Victimology	3		
CCJ	2191	Human Behavior in Criminal Justice	3		
CCJ	2610	Introduction to Criminal Typologies	3		
CCJ	2648	Organized Crime	3		
CCJ	2816	Forensic Psychology	3		
**CJC	1000	Introduction to Corrections	3		
CJC	2162	Probation and Parole	3		
**CJE	1000	Introduction to Law Enforcement	3		
CJE	1640	Introduction to Criminalistics	3		
CJE	1653	Intro to Crime Analy and Intell	3		
CJE	1680	Introduction to Computer Crimes	3		
CJE	2170	Comp. Police and Criminal Just. Syst.	3		
CJE	2233	Drug Abuse and Crime	3		
CJE	2614	Serial Killer	3		
CJE	2300	Police Admin and Organization	3		
CJE	2400	Community Relations	3		
CJE	2600	Criminal Investigation	3		
CJE	2611	Invest. Cycle/Crime Scene to Court	3		
CJE	1642C	Intro to Crime Scene Technology	3		
CJE	1643C	Advanced Crime Scene Technology	3		
CJL	1070	Legal Right of Prisoners	3		
**CJL	1500	Introduction to the Court System	3		
CJL	2072	Civil Right and Liability in C.J.	3		
CJL	2610	Courtroom Pres. Of Sci. Evidence	3		
DSC	1002	Introduction to Terrorism	3		
DSC	1003	Introduction to Homeland Security	3		
DSC	2033	Weapons of Mass Destruction	3		
SCC	1000	Introduction to Security	3		
SCC	1001	Introduction to Private Investigation	3		

# HILLSBOROUGH COMMUNITY COLLEGE

ACADEMIC ADVISING GUIDE ♦ ASSOCIATE IN APPLIED SCIENCE ♦ 2009/2010

## Degree/Program Code AAS.CJT.OFR - CRIMINAL JUSTICE TECHNOLOGY CRIMINAL JUSTICE OFFICER ADMINISTRATION

This guide does not constitute a contract. It represents the minimum hours and course work you must complete to satisfy degree requirements. Additional preparatory courses may be necessary in reading, English, or mathematics, depending on your placement test scores. You must see an advisor or counselor your first term to determine which preparatory courses are required or to determine if any program revisions have occurred.

### GENERAL EDUCATION REQUIREMENTS (15 HOURS)

GROUP I COMMUNICATIONS (3 hours) G*				IP	C
ENC	1101	English Composition I	3		

GROUP II HUMANITIES (3 hours) G*				IP	C
PHI	1010	Introduction to Philosophy <b>OR</b>	3		
PHI	1100	Elementary Logic <b>OR</b>			
PHI	1600	Ethics			

GROUP III MATHEMATICS (3 hours) *G				IP	C
MAC	1105	College Algebra	3		
<i>or 3 credit hours of any gen ed mathematics</i>					

GROUP IV SOCIAL SCIENCE (6 hours) G*				IP	C
POS	2041	American Government	3		
PSY	2012	General Psychology	3		
SYG	2000	Introduction to Sociology	3		

PROGRAM REQUIRED COURSES (1 HOUR)					
CJE	2004	Career Choices in Crim. Justice	1		

A) Completion of PSAV Law Enforcement Officer Program					
		Articulated college credit	33		
		Selected Electives	15		

B) Completion of PSAV Correctional Officer Program					
		Articulated college credit	27		
		Selected Electives	21		

C) Completion of PSAV Dual Credit Certified Officer					
		Articulated college credit	39		
		Selected Electives	9		

**Note:** Students who have successfully completed a Florida police or correction academy or both will be eligible for between 27-39 articulated credits toward this degree. Refer to Criminal Justice Technology website at [www.hccfl.edu/yborcampus/cjt](http://www.hccfl.edu/yborcampus/cjt) for specific details.

**Total Credits: 64**

IP - In Progress
C - Completed Course

\* Prerequisite and/or corequisite required. See course description in the current HCC catalog.

G GORDON RULE COURSE

### SELECTED ELECTIVES LIST

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:				IP	C
CCJ	1010	Introduction to Criminology	3		
CCJ	1020	Introduction to Criminal Justice	3		
CJJ	1002	Juvenile Delinquency	3		
CJL	1062	Constitutional Law	3		
CJL	1100	Criminal Law	3		
CJL	2130	Criminal Evidence & Procedure	3		

Group B: Select remaining credit hours from the following or courses in Group A not already selected:				IP	C
CCJ	1935	Seminar on Criminal Justice Issues	3		
CCJ	2013	Introduction to Victimology	3		
CCJ	2191	Human Behavior in Crim. Justice	3		
CCJ	2610	Introduction To Criminal Typologies	3		
CCJ	2648	Organized Crime	3		
CCJ	2816	Forensic Psychology	3		
CCJ	2910	Direct Research	3		
CCJ	2940	Criminal Justice Internship	3		
CJC	1000	Introduction to Corrections	3		
CJC	2162	Probation and Parole	3		
CJE	1000	Introduction to Law Enforcement	3		
CJE	1640	Introduction to Criminalistics	3		
CJE	1653	Intro to Crime Analy and Intellig.	3		
CJE	1680	Introduction to Computer Crimes	3		
CJE	2170	Comp. Police & Criminal Just. Syst.	3		
CJE	2233	Drug Abuse and Crime	3		
CJE	2300	Police Admin. & Organization	3		
CJE	2400	Community Relations	3		
CJE	2600	Criminal Investigations	3		
CJE	2611	Invest. Cycle/Crime Scene to Court	3		
CJE	2614	Serial Killer	3		
CJE	1642C	Introduction to Crime Scene Tech.	3		
CJE	1643C	Advanced Crime Scene Tech.	3		
CJL	1070	Legal Rights of Prisoners	3		
CJL	1500	Introduction to the Court System	3		
CJL	2072	Civil Rights and Liability in C.J.	3		
CJL	2610	Courtroom Presentation of Sci. Ev.	3		
DSC	1002	Introduction to Terrorism	3		
DSC	1003	Introduction to Homeland Security	3		
DSC	2033	Weapons of Mass Destruction	3		
SCC	1000	Introduction to Security	3		
SCC	1001	Introduction to Private Investigation	3		

Students must apply for degree by the deadline date (see catalog for further details).

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# HILLSBOROUGH COMMUNITY COLLEGE

ACADEMIC ADVISING GUIDE ♦ ASSOCIATE IN SCIENCE/ASSOCIATE IN APPLIED SCIENCE ♦ 2009/2010

## Degree/Program Code AS/AAS.CUL.CULA - CULINARY MANAGEMENT

This guide does not constitute a contract. It represents the minimum hours and course work you must complete to satisfy degree requirements. Additional preparatory courses may be necessary in reading, English, or mathematics, depending on your placement test scores. You must see an advisor or counselor your first term to determine which preparatory courses are required or to determine if any program revisions have occurred.

### GENERAL EDUCATION REQUIREMENTS (15 HOURS)

GROUP I COMMUNICATIONS (3 hours) G*				IP	C
ENC	1101	Freshman English I	3		

GROUP II HUMANITIES (3 hours) G*				IP	C
AML	2010	American Literature to 1885	3		
AML	2020	American Literature 1885 to Present	3		
AML	2600	African-American Literature	3		
ARH	1000	Art Appreciation	3		
DAN	2100	Intro to Dance	3		
ENL	2012	British Literature to 1800	3		
ENL	2022	British Literature 1800 to Present	3		
HUM	2210	Wrld. Hum: Prehist. To Early Mod. Era	3		
HUM	2230	Wrld. Hum: Early Mod to Contemp.	3		
HUM	2410	Asian Humanities	3		
HUM	2420	African Humanities	3		
HUM	2461	Latin American Humanities	3		
LIT	2110	World Literature I	3		
LIT	2120	World Literature II	3		
MUL	1010	Introduction to Music	3		
PHI	1010	Introduction to Philosophy	3		
PHI	1100	Elementary Logic	3		
PHI	1600	Ethics	3		
REL	2300	Introduction to Religion	3		
THE	1000	Introduction to Theater Arts	3		

GROUP III MATHEMATICS (3 hours) G*				IP	C
MGF	1119	Intro to Math w/Appl (non Transfer)	3		
		OR *any Gen Ed math course (transfer)			

GROUP IV SOCIAL SCIENCE (3 hours) G*				IP	C
PSY	2012	General Psychology	3		

GROUP V NATURAL SCIENCE (3 hours) G*				IP	C
BSC	1005C	Biological Foundations I	3		

\* Prerequisite and/or corequisite required. See course description in the current HCC catalog.

! Recommended course for the first semester.

G GORDON RULE COURSE

### PROGRAM REQUIREMENTS (49 HOURS)

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

Students must apply for degree by the deadline date (see catalog for further details).

Total Credits: 64

IP - In Progress
C - Completed Course

# HILLSBOROUGH COMMUNITY COLLEGE

ACADEMIC ADVISING GUIDE ♦ ASSOCIATE IN SCIENCE/ASSOCIATE IN APPLIED SCIENCE ♦ 2009/2010

## Degree/Program Code AS/AAS - DATABASE TECHNOLOGY AS/AAS.DB.TECH

This guide does not constitute a contract. It represents the minimum hours and course work you must complete to satisfy degree requirements. Additional preparatory courses may be necessary in reading, English, or mathematics, depending on your placement test scores. You must see an advisor or counselor your first term to determine which preparatory courses are required or to determine if any program revisions have occurred.

### GENERAL EDUCATION REQUIREMENTS (15 HOURS)

GROUP I COMMUNICATIONS (6 hours) G*				IP	C
ENC	1101	Freshman English I	3		
ENC	1102	Freshman English II	3		

GROUP II HUMANITIES (3 hours) G*				IP	C
AML	2010	American Literature to 1885	3		
AML	2020	American Literature 1885 to Present	3		
AML	2600	African-American Literature	3		
ARH	1000	Art Appreciation	3		
DAN	2100	Intro to Dance	3		
ENL	2012	British Literature to 1800	3		
ENL	2022	British Literature 1800 to Present	3		
HUM	2210	Wrld. Hum: Prehist. To Early Mod. Era	3		
HUM	2230	Wrld. Hum: Early Mod to Contemp.	3		
HUM	2410	Asian Humanities	3		
HUM	2420	African Humanities	3		
HUM	2461	Latin American Humanities	3		
LIT	2110	World Literature I	3		
LIT	2120	World Literature II	3		
MUL	1010	Introduction to Music	3		
PHI	1010	Introduction to Philosophy	3		
PHI	1100	Elementary Logic	3		
PHI	1600	Ethics	3		
REL	2300	Introduction to Religion	3		
THE	1000	Introduction to Theater Arts	3		

GROUP III MATHEMATICS (3 hours) G*				IP	C
MGF	1119	Intro to Math w/Appl (non Transfer)	3		
		OR *any Gen Ed math course (transfer)			

GROUP IV SOCIAL SCIENCE (3 hours) G*				IP	C
		Social Science (Select General Education Course)	3		

\* Prerequisite and/or corequisite required. See course description in the current HCC catalog.

! Courses recommended for the first semester.

G GORDON RULE COURSE

Last saved by nhamilton 05/28/09

### PROGRAM REQUIREMENTS (48)

				IP	C
! CGS	1000	Intro to Computers & Technology	3		
CGS	2301	Management Information Systems	3		
CGS	2541	Database Design	3		
CGS	1103	Project Management	3		
CIS	2321	Systems Analysis	3		
CNT	1401	Introduction to Security	3		
COP	1000	Programming Logic	3		
CTS	1305	Introduction to Networking	3		
CTS	2440	Database Programming SQL	3		
CTS	2441	Database Administration I	3		
CTS	2442	Database Administration II	3		
CTS	2445	Database Programming Advanced	3		
CTS	2939	Database Technology Capstone	3		

Select 9 Credit Hours from the following Prefixes:

CEN, CET, CGS, CIS, COP, CNT, OR CTS


Total Credits: 63

IP - In Progress  
C - Completed Course

Students must apply for degree by the deadline date (see catalog for further details).

# HILLSBOROUGH COMMUNITY COLLEGE

## ACADEMIC ADVISING GUIDE ♦ ASSOCIATES IN SCIENCE ♦ 2009/2010

### Degree/Program Code AS.DIET.TECH - DIETETIC TECHNICIAN

This guide does not constitute a contract. It represents the minimum hours and course work you must complete to satisfy specific degree requirements.

#### Food Service Management

#### GENERAL EDUCATION REQUIREMENTS (15 HOURS)

GROUP I COMMUNICATIONS (3 hours) G*				IP	C
ENC	1101	Freshman English I	3		

GROUP II HUMANITIES (3 hours) G*				IP	C
AML	2010	American Literature to 1885	3		
AML	2020	American Literature 1885 to Present	3		
AML	2600	African-American Literature	3		
ARH	1000	Art Appreciation	3		
DAN	2100	Intro to Dance	3		
ENL	2012	British Literature to 1800	3		
ENL	2022	British Literature 1800 to Present	3		
HUM	2210	Wrld. Hum: Prehist. To Early Mod. E	3		
HUM	2230	Wrld. Hum: Early Mod to Contemp.	3		
HUM	2410	Asian Humanities	3		
HUM	2420	African Humanities	3		
HUM	2461	Latin American Humanities	3		
LIT	2110	World Literature I	3		
LIT	2120	World Literature II	3		
MUL	1010	Introduction to Music	3		
PHI	1010	Introduction to Philosophy	3		
PHI	1100	Elementary Logic	3		
PHI	1600	Ethics	3		
REL	2300	Introduction to Religion	3		
THE	1000	Introduction to Theater Arts	3		

GROUP III MATHEMATICS/NATURAL SCI (6 hours) G*				IP	C
BSC	1092C	Human Biology	3		
MAC	1105	College Algebra	3		

GROUP IV SOCIAL SCIENCE (3 hours) G*				IP	C
PSY	2012	General Psychology	3		

\* Prerequisite and/or corequisite required. See course descriptions in the current HCC catalog.

#### G GORDON RULE COURSE

#### PROGRAM REQUIREMENTS (49 HOURS)

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

Total Credits: 64

IP - In Progress  
C - Completed Course

Students must apply for degree by the deadline date (see catalog for further details).

# HILLSBOROUGH COMMUNITY COLLEGE

ACADEMIC ADVISING GUIDE ♦ ASSOCIATE IN SCIENCE/ASSOCIATE IN APPLIED SCIENCE ♦ 2009/2010

## Degree/Program Code AS/AAS.MMT - DIGITAL MEDIA MULTIMEDIA TECHNOLOGY

This guide does not constitute a contract. It represents the minimum hours and course work you must complete to satisfy degree requirements. Additional preparatory courses may be necessary in reading, English, or mathematics, depending on your placement test scores. You must see an advisor or counselor your first term to determine which preparatory courses are required or to determine if any program revisions have occurred.

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

### GENERAL EDUCATION REQUIREMENTS (15 HOURS)

GROUP I COMMUN/SOCIAL SCIENCE (9 hours) G*				IP	C
ENC	1101	English Composition I	3		
		ENC 1102 or Social Science Gen Ed.	3		
		Social Science General Education	3		

GROUP II HUMANITIES (3 HOURS) G*				IP	C
AML	2010	American Literature to 1885	3		
AML	2020	American Literature 1885 to Present	3		
ARH	1000	Understanding Visual Art	3		
DAN	2100	Intro to Dance	3		
ENL	2012	British Literature to 1800	3		
ENL	2022	British Literature 1800 to Present	3		
HUM	2210	World Hum: Prehist. To Early Mod. Era	3		
HUM	2230	World Hum: Early Mod to Contemp.	3		
HUM	2410	Asian Humanities	3		
HUM	2420	African Humanities	3		
HUM	2461	Latin American Humanities	3		
LIT	2110	World Literature to 1650	3		
LIT	2120	World Literature 1650 to Present	3		
MUL	1010	Introduction to Music	3		
PHI	1010	Introduction to Philosophy	3		
PHI	1100	Elementary Logic	3		
PHI	1600	Ethics	3		
REL	2300	Introduction to Religion	3		
THE	1000	Introduction to Theater Arts	3		

GROUP III MATHEMATICS (3 hours) *				IP	C
MGF	1119	Introduction to Math with Applications (non-transfer) <b>OR</b> any	3		
		General Ed. math course (transfer)			

\* Prerequisite and/or corequisite required. See course description in the current HCC catalog.

#### G GORDON RULE COURSE

! Courses recommended for the first semester.

**Total Credits: 64**

IP - In Progress
C - Completed Course

Students must apply for degree by the deadline date (see catalog for further details).

Last saved by nhamilton 05/22/09

### GAME DESIGN AND DEVELOPMENT

PROGRAM REQUIREMENTS (49)				IP	C
! CGS	1000	Intro to Computers & Technology	3		
CAP	1023	Intro to Game Development	3		
CAP	2042	Game Design and Development	3		
CAP	2043	Advanced Game Design/Develop.	3		
CAP	2939	Digital Media/Multimedia Capstone	3		
CGS	1871	Multimedia Authoring I	3		
CGS	2874	Multimedia Authoring II	3		
CGS	2876	Digital Audio/Video Design	3		
CGS	2877	Digital Animation Design	3		
COP	2823	Graphics Design Multimedia/Internet	3		
COP	2826	Adv.Graphic Design/Multimedia/Int.	3		

Select 16 specific elective credit hours from the following:

EME	2040	Intro to Educational Technology	3		
OST	1813	Desktop Publishing	3		
OST	1825	Desktop Design	3		

And any courses with prefix: CEN, CET, CGS, CIS, COP, CNT, and CTS

### MULTIMEDIA DEVELOPER

PROGRAM REQUIREMENTS (49)				IP	C
! CGS	1000	Intro to Computers & Technology	3		
CAP	2939	Digital Media/Multimedia Capstone	3		
CGS	1577	Presentation Systems	3		
CGS	1871	Multimedia Authoring I	3		
CGS	2874	Multimedia Authoring II	3		
CGS	2876	Digital Audio/Video Design	3		
CGS	2877	Digital Animation Design	3		
COP	1000	Programming Logic	3		
COP	2822	Scripting for the Web	3		
COP	2823	Graphics Design Multimedia/Internet	3		
COP	2826	Adv.Graphic Design/Multimedia/Int.	3		
EME	2040	Intro to Educational Technology	3		

Select 13 specific elective credit hours from the following:

OST	1813	Desktop Publishing	3		
OST	1825	Desktop Design	3		

And any courses with prefix: CAP, CGS, CIS, COP, and CTS

# HILLSBOROUGH COMMUNITY COLLEGE

◆ ACADEMIC ADVISING GUIDES ◆ ASSOCIATE IN SCIENCE OR ASSOCIATE IN APPLIED SCIENCE ◆  
2009-2010

## Degree/Program Code AS.DGTL.TV/AAS.DGTL.TV - Digital Television and Media Production

This guide does not constitute a contract. It represents the minimum hours and course work you must complete to satisfy specific degree requirements. Additional preparatory courses may be necessary in reading, English, or mathematics, depending on your placement test scores. You must see an advisor or counselor your first term to determine which preparatory courses are required and to determine if any programs revisions have occurred.

### GENERAL EDUCATION REQUIREMENTS (18 HOURS)

GROUP I COMMUNICATIONS (9 hours) G*				IP	C
ENC	1101	Freshman English I	3		
ENC	1102	Freshman English II	3		
SPC	1608	Public Speaking	3		

GROUP II HUMANITIES (3 hours) G*				IP	C
AML	2010	American Literature to 1885	3		
AML	2020	American Literature 1885 to Present	3		
AML	2600	African-American Literature	3		
ARH	1000	Art Appreciation	3		
DAN	2100	Intro to Dance	3		
ENL	2012	British Literature to 1800	3		
ENL	2022	British Literature 1800 to Present	3		
HUM	2210	Wrld. Hum: Prehist. To Early Mod. Era	3		
HUM	2230	Wrld. Hum: Early Mod to Contemp.	3		
HUM	2410	Asian Humanities	3		
HUM	2420	African Humanities	3		
HUM	2461	Latin American Humanities	3		
LIT	2110	World Literature I	3		
LIT	2120	World Literature II	3		
MUL	1010	Introduction to Music	3		
PHI	1010	Introduction to Philosophy	3		
PHI	1100	Elementary Logic	3		
PHI	1600	Ethics	3		
REL	2300	Introduction to Religion	3		
THE	1000	Introduction to Theater Arts	3		

GROUP III MATHEMATICS (3 hours) G*				IP	C
MGF	1119	Intro Math w/Applications (non-transfer) OR	3		
MAC	1106	Math for Liberal Arts I (transfer)	3		

GROUP IV SOCIAL SCIENCE (3 hours) G*				IP	C
PSY	2012	General Psychology OR	3		
SYG	2000	Introduction to Sociology	3		

### PROGRAM REQUIREMENT (46 HOURS)

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

Total Credits: 64

IP - In Progress  
C - Completed Course

Last saved by nhamilton 06/01/09

# HILLSBOROUGH COMMUNITY COLLEGE

ACADEMIC ADVISING GUIDE ♦ ASSOCIATE IN SCIENCE/ASSOCIATE IN APPLIED SCIENCE ♦ 2009/2010

## Degree/Program Code AS/AAS.CHILD EARLY CHILDHOOD MANAGEMENT

This guide does not constitute a contract. It represents the minimum hours and course work you must complete to satisfy degree requirements. Additional preparatory courses may be necessary in reading, English, or mathematics, depending on your placement test scores. You must see an advisor or counselor your first term to determine which preparatory courses are required or to determine if any program revisions have occurred.

### GENERAL EDUCATION REQUIREMENTS (15 HOURS)

GROUP I COMMUNICATIONS (3 hours) G*				IP	C
ENC	1101	Freshman English I	3		

GROUP II HUMANITIES (3 hours) G*				IP	C
AML	2010	American Literature to 1885	3		
AML	2020	American Literature 1885 to Present	3		
AML	2600	African-American Literature	3		
ARH	1000	Art Appreciation	3		
DAN	2100	Intro to Dance	3		
ENL	2012	British Literature to 1800	3		
ENL	2022	British Literature 1800 to Present	3		
HUM	2210	Wrld. Hum: Prehist. To Early Mod. Era	3		
HUM	2230	Wrld. Hum: Early Mod to Contemp.	3		
HUM	2410	Asian Humanities	3		
HUM	2420	African Humanities	3		
HUM	2461	Latin American Humanities	3		
LIT	2110	World Literature I	3		
LIT	2120	World Literature II	3		
MUL	1010	Introduction to Music	3		
PHI	1010	Introduction to Philosophy	3		
PHI	1100	Elementary Logic	3		
PHI	1600	Ethics	3		
REL	2300	Introduction to Religion	3		
THE	1000	Introduction to Theater Arts	3		

GROUP III MATHEMATICS (3 hours) G*				IP	C
MGF	1119	Intro Math w/Applications (non-transfer) <b>OR</b> any gen ed math course (transfer)	3		

GROUP IV SOCIAL SCIENCE (6 hours) G*				IP	C
PSY	2012	General Psychology	3		
SYG	2000	Introduction to Sociology	3		

\* Prerequisite and/or corequisite required. See course description in the current HCC catalog.

! Course recommended for the first semester.

### G GORDON RULE COURSE

Last saved by nhamilton 06/01/09

### PROGRAM REQUIREMENTS (48 HOURS)

PROGRAM REQUIRED COURSES (52 HOURS)				IP	C
ACG	2021	Financial Accounting	3		
		<b>or</b>			
APA	1111	Basic Accounting			
CGS	1107	Introduction to Computers	1		
*DEP	2102	Child Development	3		
IEDF	1005	Introduction to Education	3		
EEC	1300	Plan the Early Childhood Program	3		
EEC	1308	Enhance Intell. Develop. in Early Childhood Setting	3		
EEC	1311	Crafts in the Early Child. Setting	3		
EEC	1401	Family & Early Childhood Edu.	3		
IEEC	1521	Oper. Of the Early Child. Center Mgmt	3		
EEC	1721	Enhance Phy. Develop. in Early Childhood Setting	3		
*EEC	1941	Child Care Practicum I	3		
*EEC	1943	Child Care Practicum II	3		
EEC	2270	Meeting Special Needs of Children in Groups	3		
EEC	2271	Children with Special Needs	3		
*OST	1335	Business Communications	3		
SBM	2000	Small Business Management	3		
SPC	1006	Speech Improvement	1		
		Elective	1		

Total Credits: 63

IP - In Progress
C - Completed Course

Students must apply for a degree by the deadline date (see catalog for further details).

This program has been approved by the Department of HRS as being equivalent to Child Development Associate (CDA) certification. Individuals who have completed this program and are interested in applying for the equivalency certification should contact the program manager.

# HILLSBOROUGH COMMUNITY COLLEGE

## ◆ ACADEMIC ADVISING GUIDE ◆ 2009/2010

### Degree/Program Code FCCPC - FLORIDA CHILD CARE PROFESSIONAL CREDENTIAL

A Competency Achievement Award from the Office of the Director for Technical Programs in Child Development Associate may be earned by completing 15 hours in the following courses:

PROGRAM REQUIREMENTS (15)				IP	C
EEC	1300	Planning the Early Childhood Program	3		
EEC	1308	Enhancing Intellectual Development in Early Childhood	3		
EEC	1521	Operation of the Early Childhood Center: Management	3		
# *EEC	1941	Child Care Practicum I	3		
# *EEC	1943	Child Care Practicum II	3		

IP - In Progress  
C - Completed Course

\*Prerequisite/corequisite required. See course descriptions in the current HCC catalog.

# This course will require 240 clock hours of work with children in a 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. Successful completion of these courses will fulfill the CDA equivalency requirement of 480 clock hours.

- Once the Competency Achievement Award has been earned, the student may then make apply for CDA certification.

# HILLSBOROUGH COMMUNITY COLLEGE

## ACADEMIC ADVISING GUIDE ♦ ASSOCIATE IN APPLIED SCIENCE ♦ 2009/2010

### Degree/Program Code A.S.EET.UNIV - ELECTRONICS ENGINEERING TECHNOLOGY University Transfer (A.S. to B.S.)

This guide does not constitute a contract. It represents the minimum hours and course work you must complete to satisfy specific degree requirements. Additional preparatory courses may be necessary in reading, English, or mathematics, depending on your placement test scores. You must see an advisor or counselor your first term to determine which preparatory courses are required and to determine if any program revisions have occurred.

#### GENERAL EDUCATION REQUIREMENTS (25)

GROUP I COMMUNICATIONS (9 hours) G*				IP	C
ENC	1101	Freshman English I	3		
ENC	1102	Freshman English II	3		
SPC	1608	Public Speaking	3		

GROUP II HUMANITIES (3 hours) G*				IP	C
AML	2010	American Literature to 1885	3		
AML	2020	American Literature 1885 to Present	3		
AML	2600	African-American Literature	3		
ARH	1000	Art Appreciation	3		
DAN	2100	Intro to Dance	3		
ENL	2012	British Literature to 1800	3		
ENL	2022	British Literature 1800 to Present	3		
HUM	2210	Wrld. Hum: Prehist. To Early Mod. Era	3		
HUM	2230	Wrld. Hum: Early Mod to Contemp.	3		
HUM	2410	Asian Humanities	3		
HUM	2420	African Humanities	3		
HUM	2461	Latin American Humanities	3		
LIT	2110	World Literature I	3		
LIT	2120	World Literature II	3		
MUL	1010	Introduction to Music	3		
PHI	1010	Introduction to Philosophy	3		
PHI	1100	Elementary Logic	3		
PHI	1600	Ethics	3		
REL	2300	Introduction to Religion	3		
THE	1000	Introduction to Theater Arts	3		

GROUP III MATHEMATICS (3 hours) G*				IP	C
MAC	1105	College Algebra	3		

GROUP IV SOCIAL SCIENCE (6 hours) G*				IP	C
		Gen. Ed. Social Science	3		
			3		

GROUP V NATURAL SCIENCE (4 hours) G*				IP	C
PHY	1053	General Physics I	3		
PHY	1053L	General Physics I Lab	1		

\* Prerequisite and/or co-requisite required. See course descriptions in current HCC catalog.

! Courses recommended for the first semester.

#### G GORDON RULE COURSE

Students must apply for degree by the deadline date (see catalog for further details).

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#### PROGRAM REQUIREMENTS (43)

				IP	C
! CET	1112C	Basic Digital Systems	3		
CET	1123C	Introduction to Microprocessors	3		
* CET	2113C	Digital Systems Analysis	3		
CGS	1000	Intro to Computers & Technology	3		
COP	1000	Programming Logic	3		
! EET	1036C	Basic AC/DC	3		
*EET	1037C	Circuit Analysis	3		
! EET	1083C	Electronic Orientation	3		
*EET	1141C	Solid State Devices	3		
*EET	1142C	Solid State Circuits	3		
*EET	2155C	Linear Integrated Circuits	3		
EET	2939	Elect. Engineering Tech. Cap.	3		
*MAC	1114	Trigonometry	3		

#### Group A: Select 1 course from the following

				IP	C
CET	1172C	Computer Upgrading & Repair	3		
CET	1174C	Advanced Computer Repair	3		
CET	1556C	Structured Cabling	3		
CET	2152C	Adv. Microcomputer Systems	3		
CET	2335C	Microcomputer Systems	3		
CGS	1510	Spreadsheet Applications	1		
CGS	1520	Business Graphics I	1		
CGS	1540	Database Management	1		
CGS	1550	Introduction to Networking	3		
CGS	1554	Internet Basics	1		
COP	1220	Programming in "C"	3		
CTS	1305	Applied Word Processing	1		
ECO	2013	Principles of Macroeconomics	3		
EET	1525C	Industrial Controls I	3		
EET	2215L	Electronic Instruments	3		
EET	2326C	Communication Systems I	3		
EET	2526C	Industrial Controls II	3		
EST	1436C	Biomedical Electrical Systems I	3		
EST	2438C	Biomedical Electrical Systems II	3		
OST	1142	Keyboarding I	1		

#### Group B: Select 3 elective credits from the following

COP	1120	COBOL, Beginning	3		
COP	1820	Visual Basic, Beginning	3		
COP	1821	Visual Basic, Advanced	3		
COP	2800	JAVA Programming	3		

Total Credits: 68

IP - In Progress

C - Completed Course

#### Program offered at the following Universities:

Florida A&M University	124 hours
University of Central Florida	128 hours

# HILLSBOROUGH COMMUNITY COLLEGE

## ACADEMIC ADVISING GUIDE ♦ ASSOCIATE IN APPLIED SCIENCE ♦ 2009/2010

### Degree/Program Code AAS.EET - ELECTRONICS ENGINEERING TECHNOLOGY (NON-TRANSFER)

This guide does not constitute a contract. It represents the minimum hours and course work you must complete to satisfy degree requirements. Additional preparatory courses may be necessary in reading, English, or mathematics, depending on your placement test scores. You must see an advisor or counselor your first term to determine which preparatory courses are required or to determine if any program revisions have occurred.

#### GENERAL EDUCATION REQUIREMENTS (16 HOURS)

GROUP I COMMUNICATIONS (3 hours) G*				IP	C
ENC	1101	Freshman English I	3		

GROUP II HUMANITIES (3 hours) G*				IP	C
AML	2010	American Literature to 1885	3		
AML	2020	American Literature 1885 to Present	3		
AML	2600	African-American Literature	3		
ARH	1000	Art Appreciation	3		
DAN	2100	Intro to Dance	3		
ENL	2012	British Literature to 1800	3		
ENL	2022	British Literature 1800 to Present	3		
HUM	2210	Wrld. Hum: Prehist. To Early Mod. Era	3		
HUM	2230	Wrld. Hum: Early Mod to Contemp.	3		
HUM	2410	Asian Humanities	3		
HUM	2420	African Humanities	3		
HUM	2461	Latin American Humanities	3		
LIT	2110	World Literature I	3		
LIT	2120	World Literature II	3		
MUL	1010	Introduction to Music	3		
PHI	1010	Introduction to Philosophy	3		
PHI	1100	Elementary Logic	3		
PHI	1600	Ethics	3		
REL	2300	Introduction to Religion	3		
THE	1000	Introduction to Theater Arts	3		

GROUP III MATHEMATICS (3 hours) G*				IP	C
MGF	1119	Intro to Math with Applications	3		

GROUP IV SOCIAL SCIENCE (3 hours) G*				IP	C
		Gen. Ed. Social Science	3		

GROUP V NATURAL SCIENCE (4 hours) G*				IP	C
PSC	1515	Energy & the Environment	3		
PSC	1515L	Energy & the Environment Lab	1		

\* Prerequisite and/or corequisite required. See course description in the current HCC catalog.

! Recommended course for the first semester.

#### G GORDON RULE COURSE

Students must apply for degree by the deadline date (see catalog for further details).

Last saved by nhamilton 06/01/09

#### PROGRAM REQUIREMENTS (52 HOURS)

				IP	C
! CET	1112C	Basic Digital Systems	3		
CET	1123C	Introduction Microprocessors	3		
* CET	2113C	Digital Systems Analysis	3		
CGS	1107	Introduction to Computers	1		
COP	1000	Programming Logic	3		
! EET	1036C	Basic AC/DC	3		
* EET	1037C	Circuit Analysis	3		
! EET	1083C	Electronics Orientation	3		
#EET	1141C	Solid State Devices	3		
* EET	1142C	Solid State Circuits	3		
* EET	2155C	Linear Integrated Circuits	3		
* EET	2215L	Electronic Instruments	3		
* EET	2326C	Communication Systems I	3		
EET	2939	Electronic Eng. Tech. Capstone	3		
* MTB	1327	Electronics Math	4		
<b>GROUP A: Select 5 elective credits from the following:</b>					
* EET	2215L	Electronic Instruments	3		
CET	1172C	Computer Upgrading and Repair	3		
CET	1174C	Advanced Computer Repair	3		
CET	1556C	Structured Cabling	3		
CET	2152C	Advanced Microprocessors	3		
CET	2335C	Microcomputer Systems	3		
CGS	1500	Applied Word Processing	1		
CGS	1510	Spreadsheet Applications	1		
CGS	1520	Business Graphics I	1		
CGS	1540	Data Management	1		
CGS	1554	Internet Basics	1		
COP	1220	Programming in "C"	3		
CTS	1305	Introduction to Networking	3		
ECO	2013	Principles of Macroeconomics	3		
EET	1525C	Industrial Controls I	3		
EET	2326C	Communication Systems I	3		
EET	2526C	Industrial Controls II	3		
EST	1436C	Biomedical Electronics System I	3		
EST	2438C	Biomedical Electronics System II	3		
OST	1142	Keyboarding I	1		
<b>GROUP B: Select 3 elective credits from the following:</b>					
COP	1120	COBOL, Beginning	3		
COP	1820	Visual BASIC, Beginning	3		
COP	1821	Visual BASIC, Advanced	3		
COP	2800	JAVA Programming	3		

Total Credits: 68

IP - In Progress  
C - Completed Course

# HILLSBOROUGH COMMUNITY COLLEGE

ACADEMIC ADVISING GUIDE ♦ ASSOCIATE IN SCIENCE/ASSOCIATE IN APPLIED SCIENCE ♦

2009/2010

## Degree/Program Code AS/AAS.ETI - ENGINEERING TECHNOLOGY

This guide does not constitute a contract. It represents the minimum hours and course work you must complete to satisfy degree requirements. Additional preparatory courses may be necessary in reading, English, or mathematics, depending on your placement test scores. You must see an advisor or counselor your first term to determine which preparatory courses are required or to determine if any program revisions have occurred.

### GENERAL EDUCATION REQUIREMENTS (15 HOURS)

GROUP I COMMUNICATIONS (3 HOURS) G*				IP	C
ENC	1101	English Composition I	3		

GROUP II HUMANITIES (3 hours) G*				IP	C
AML	2010	American Literature to 1885	3		
AML	2020	American Literature 1885 to Present	3		
AML	2600	African-American Literature	3		
ARH	1000	Art Appreciation	3		
DAN	2100	Intro to Dance	3		
ENL	2012	British Literature to 1800	3		
ENL	2022	British Literature 1800 to Present	3		
HUM	2210	Wrld. Hum: Prehist. To Early Mod.	3		
HUM	2230	Wrld. Hum: Early Mod to Contemp.	3		
HUM	2410	Asian Humanities	3		
HUM	2420	African Humanities	3		
HUM	2461	Latin American Humanities	3		
LIT	2110	World Literature I	3		
LIT	2120	World Literature II	3		
MUL	1010	Introduction to Music	3		
PHI	1010	Introduction to Philosophy	3		
PHI	1100	Elementary Logic	3		
PHI	1600	Ethics	3		
REL	2300	Introduction to Religion	3		
THE	1000	Introduction to Theater Arts	3		

GROUP III MATHEMATICS/SCIENCE (6 HOURS) G*				IP	C
MGF	1119	Intro to Math with Applications (non-transfer) or Math general education (transfer)	3		
		Natural Science (General Ed Course)	3		

GROUP IV SOCIAL SCIENCE (3 HOURS) G*				IP	C
G*		Social Science (General Ed. Course)	3		

Students must apply for degree by the deadline date (see catalog for further details).

Last saved by nhamilton 05/21/2009

### PROGRAM REQUIREMENTS (45 HOURS)

			IP	C
EET	1083C	Electronics Orientation	3	
EST	1542	Intro to Program Logic Controllers	3	
ETD	1340C	Comp. Aid Drafting for Engineers	3	
ETI	1420	Manuf. Process and Materials	3	
ETI	1110	Intro to Quality	3	
ETI	1622	Concepts of Lean and Six Sigma	3	
ETI	1701	Industrial Safety	3	
ETI	1843	Motors and Controls	3	
ETI	2950	Engineering Tech. Capstone	3	
ETM	1010C	Mech. Measure and Instrument.	3	
ETM	2315	Hydraulic/Pneumatic Systems	3	
ETM	2315L	Hydraulic/Pneumatic Syst Lab	1	

SELECT 11 CREDIT HOURS FROM THE FOLLOWING				IP	C
CGS	1510	Spreadsheet Application I	1		
EGS	2122C	Geometric Dimension/Tolerance	3		
ENC	2210	Technical Writing	3		
EST	1535	Automated Process Control	3		
EST	1540	Indust. Appl. Use PLCs/Robotics	3		
ETI	1403	Intro to Adv. Manufact. Tech.	3		
ETI	1644	Production and Inventory Control	3		
ETI	1931	Special Topics in Modern Manuf.	3		
ETI	1949	Manufacturing Internship	2		
ETI	2151C	Process Metrology	3		

Total Credits: 60

IP - In Progress  
C - Completed Course

\* Prerequisite and/or corequisite required.  
See course description in the current HCC catalog.

G GORDON RULE COURSE

# HILLSBOROUGH COMMUNITY COLLEGE

ACADEMIC ADVISING GUIDE ♦ ASSOCIATE IN SCIENCE/ASSOCIATE IN APPLIED SCIENCE ♦ 2009/2010

## Degree/Program Code AS/AAS.EVR.AWT - ENVIRONMENTAL SCIENCE TECHNOLOGY ADVANCED WATER TREATMENT

This guide does not constitute a contract. It represents the minimum hours and course work you must complete to satisfy degree requirements. Additional preparatory courses may be necessary in reading, English, or mathematics, depending on your placement test scores. You must see an advisor or counselor your first term to determine which preparatory courses are required or to determine if any program revisions have occurred.

### GENERAL EDUCATION REQUIREMENTS (15 HOURS)

GROUP I COMMUNICATIONS (3 HOURS) G*				IP	C
ENC	1101	English Composition I	3		

### GROUP II HUMANITIES (3 hours) G\*

GROUP II HUMANITIES (3 hours) G*				IP	C
AML	2010	American Literature to 1885	3		
AML	2020	American Literature 1885 to Present	3		
AML	2600	African-American Literature	3		
ARH	1000	Art Appreciation	3		
DAN	2100	Intro to Dance	3		
ENL	2012	British Literature to 1800	3		
ENL	2022	British Literature 1800 to Present	3		
HUM	2210	Wrld. Hum: Prehist. To Early Mod.	3		
HUM	2230	Wrld. Hum: Early Mod to Contemp.	3		
HUM	2410	Asian Humanities	3		
HUM	2420	African Humanities	3		
HUM	2461	Latin American Humanities	3		
LIT	2110	World Literature I	3		
LIT	2120	World Literature II	3		
MUL	1010	Introduction to Music	3		
PHI	1010	Introduction to Philosophy	3		
PHI	1100	Elementary Logic	3		
PHI	1600	Ethics	3		
REL	2300	Introduction to Religion	3		
THE	1000	Introduction to Theater Arts	3		

### GROUP III MATHEMATICS/SCIENCE (6 HOURS) G\*

GROUP III MATHEMATICS/SCIENCE (6 HOURS) G*				IP	C
BSC	1005C	Biological Foundations	3		
MGF	1106	Math for Liberal Arts I	3		

### GROUP IV SOCIAL SCIENCE (3 HOURS) G\*

GROUP IV SOCIAL SCIENCE (3 HOURS) G*				IP	C
G*		Social Science (General Ed. Course)	3		

### PROGRAM REQUIREMENTS (49 HOURS)

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

Total Credits: 64

IP - In Progress
C - Completed Course

Students must apply for degree by the deadline date (see catalog for further details).

\* Prerequisite and/or corequisite required. See course description in the current HCC catalog.

G GORDON RULE COURSE

# HILLSBOROUGH COMMUNITY COLLEGE

ACADEMIC ADVISING GUIDE ♦ ASSOCIATE IN SCIENCE/ASSOCIATE IN APPLIED SCIENCE ♦ 2009/2010

## Degree/Program Code AS/AAS.EVR.ETEC - ENVIRONMENTAL SCIENCE TECHNOLOGY ENVIRONMENTAL TECHNICIAN OPTION

This guide does not constitute a contract. It represents the minimum hours and course work you must complete to satisfy degree requirements. Additional preparatory courses may be necessary in reading, English, or mathematics, depending on your placement test scores. You must see an advisor or counselor your first term to determine which preparatory courses are required or to determine if any program revisions have occurred.

### GENERAL EDUCATION REQUIREMENTS (19 HOURS)

GROUP I COMMUNICATIONS (3 HOURS) G*				IP	C
ENC	1101	English Composition I	3		

### GROUP II HUMANITIES (3 hours) G\*

GROUP II HUMANITIES (3 hours) G*				IP	C
AML	2010	American Literature to 1885	3		
AML	2020	American Literature 1885 to Present	3		
AML	2600	African-American Literature	3		
ARH	1000	Art Appreciation	3		
DAN	2100	Intro to Dance	3		
ENL	2012	British Literature to 1800	3		
ENL	2022	British Literature 1800 to Present	3		
HUM	2210	Wrld. Hum: Prehist. To Early Mod.	3		
HUM	2230	Wrld. Hum: Early Mod to Contemp.	3		
HUM	2410	Asian Humanities	3		
HUM	2420	African Humanities	3		
HUM	2461	Latin American Humanities	3		
LIT	2110	World Literature I	3		
LIT	2120	World Literature II	3		
MUL	1010	Introduction to Music	3		
PHI	1010	Introduction to Philosophy	3		
PHI	1100	Elementary Logic	3		
PHI	1600	Ethics	3		
REL	2300	Introduction to Religion	3		
THE	1000	Introduction to Theater Arts	3		

### GROUP III MATHEMATICS (3 HOURS) G\*

GROUP III MATHEMATICS (3 HOURS) G*				IP	C
		any gen ed math course	3		

### GROUP IV SOCIAL SCIENCE (3 HOURS) G\*

GROUP IV SOCIAL SCIENCE (3 HOURS) G*				IP	C
		Social Science (General Ed. Course)	3		

### GROUP V NATURAL SCIENCE (7 HOURS) G\*

GROUP V NATURAL SCIENCE (7 HOURS) G*				IP	C
GLY	1010	Physical Geology	3		
GLY	1010L	Physical Geology Lab	1		
MET	2010C	Meteorology	3		

### PROGRAM REQUIREMENTS (45 HOURS)

			IP	C	
BSC	1005C	Biological Foundations	3		
CGS	1000	Introduction to Computers & Technology	3		
CHM	1025	Modern Chemistry	3		
CHM	1025L	Modern Chemistry Lab	1		
EVR	2858	Environmental Law	4		
EVS	1001	Introduction to Environmental Science	3		
EVS	2893C	Environmental Sampling & Analysis	5		
EVS	2894C	Environmental Sampling & Analysis II	5		
EVS	2895C	Environmental Sampling & Analysis III	5		
EVS	2942L	Environmental Technology Practicum	3		
SPC	1006	Speech Improvement	1		

### SPECIALTY AREA COURSES: Select 9 hours from the following list

**Air Monitoring**

EVS	2793	Sources & Effects of Air Pollutant	4		
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**Water Emphasis**

EVS	1026	Chemistry & Biology/Natural Waters	4		
EVS	2891	Hydrology & Quality/Water Resource	4		
EVS	2005C	Treatment of Water and Wastewater	4		

**Geographic Information and Global Repositioning Systems**

EVR	1041	Natural Res. Man W. Apps in GIS	4		
EVR	1042	Water Resources w/Apps in GIS	4		
EVR	2040	Advanced GIS w/Environ. Appl.	4		
GIS	1041	Survey of GIS & GIS	1		
GIS	2040	Introduction to GIS	3		

**Natural Resource Management**

EVR	1328	Natural Res. Conser. & Ecology	3		
FNR	1001	Natural Res. Management	3		
ORH	1523	Native Upland Plants	2		
ORH	1524	Native Wetland Plants	2		

Total Credits: 64

IP - In Progress  
C - Completed Course

Students must apply for degree by the deadline date (see catalog for further details).

\* Prerequisite and/or corequisite required. See course description in the current HCC catalog.

# HILLSBOROUGH COMMUNITY COLLEGE

ACADEMIC ADVISING GUIDE ♦ ASSOCIATE IN SCIENCE/ASSOCIATE IN APPLIED SCIENCE ♦ 2009/2010

## Degree/Program Code AS/AAS.EVR.LAB - ENVIRONMENTAL SCIENCE TECHNOLOGY LABORATORY TECHNICIAN OPTION

This guide does not constitute a contract. It represents the minimum hours and course work you must complete to satisfy degree requirements. Additional preparatory courses may be necessary in reading, English, or mathematics, depending on your placement test scores. You must see an advisor or counselor your first term to determine which preparatory courses are required or to determine if any program revisions have occurred.

### GENERAL EDUCATION REQUIREMENTS (20 HOURS)

GROUP I COMMUNICATIONS (3 HOURS) G*				IP	C
ENC	1101	English Composition I	3		

GROUP II HUMANITIES (3 hours) G*				IP	C
AML	2010	American Literature to 1885	3		
AML	2020	American Literature 1885 to Present	3		
AML	2600	African-American Literature	3		
ARH	1000	Art Appreciation	3		
DAN	2100	Intro to Dance	3		
ENL	2012	British Literature to 1800	3		
ENL	2022	British Literature 1800 to Present	3		
HUM	2210	Wrld. Hum: Prehist. To Early Mod.	3		
HUM	2230	Wrld. Hum: Early Mod to Contemp.	3		
HUM	2410	Asian Humanities	3		
HUM	2420	African Humanities	3		
HUM	2461	Latin American Humanities	3		
LIT	2110	World Literature I	3		
LIT	2120	World Literature II	3		
MUL	1010	Introduction to Music	3		
PHI	1010	Introduction to Philosophy	3		
PHI	1100	Elementary Logic	3		
PHI	1600	Ethics	3		
REL	2300	Introduction to Religion	3		
THE	1000	Introduction to Theater Arts	3		

GROUP III MATHEMATICS (3 HOURS) G*				IP	C
		any gen ed math course	3		

GROUP IV SOCIAL SCIENCE (3 HOURS) G*				IP	C
		Social Science (General Ed. Course)	3		

GROUP V NATURAL SCIENCE (8 HOURS) G*				IP	C
BSC	1010	Biological Science I	3		
BSC	1010L	Biological Science I Lab	1		
CHM	1045	College Chemistry I	3		
CHM	1045L	College Chemistry I Lab	1		

### PROGRAM REQUIREMENTS (44 HOURS)

				IP	C
CGS	1000	Introduction to Computers & Technology	3		
CHM	1025	Modern Chemistry	3		
CHM	1025L	Modern Chemistry Lab	1		
CHM	1046	College Chemistry II	3		
CHM	1046L	College Chemistry II Lab	1		
CHM	2120C	Analytical Chemistry	4		
CHM	2132C	Modern Chemical Instrumentation	4		
EVS	2893C	Environmental Sampling & Analysis	5		
EVS	2894C	Environmental Sampling & Analysis II	5		
EVS	2895C	Environmental Sampling & Analysis III	5		
EVS	2942L	Environmental Technology Practicum	3		
SPC	1006	Speech Improvement	1		

Select 6 hours of Specified Electives from the following list:

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

Total Credits: 64

IP - In Progress
C - Completed Course

Students must apply for degree by the deadline date (see catalog for further details).

\* Prerequisite and/or corequisite required. See course description in the current HCC catalog.

G GORDON RULE COURSE

# HILLSBOROUGH COMMUNITY COLLEGE

ACADEMIC ADVISING GUIDE ♦ ASSOCIATE IN SCIENCE or ASSOCIATE IN APPLIED SCIENCE ♦ 2009/2010

## Degree/Program Code A.S.FIRE.UNIV OR AAS.FIRE.GEN - FIRE SCIENCE TECHNOLOGY

This guide does not constitute a contract. It represents the minimum hours and course work you must complete to satisfy specific degree requirements. Additional preparatory courses may be necessary in reading, English, or mathematics, depending on your placement test scores. You must see an advisor or counselor your first term to determine which preparatory courses are required and to determine if any program revisions have occurred.

### GENERAL EDUCATION REQUIREMENTS (15)

GROUP I COMMUNICATIONS (3 HOURS) G*				IP	C
ENC	1101	English Composition I	3		

GROUP II HUMANITIES (3 hours) G*				IP	C
AML	2010	American Literature to 1885	3		
AML	2020	American Literature 1885 to Present	3		
AML	2600	African-American Literature	3		
ARH	1000	Art Appreciation	3		
DAN	2100	Intro to Dance	3		
ENL	2012	British Literature to 1800	3		
ENL	2022	British Literature 1800 to Present	3		
HUM	2210	Wrld. Hum: Prehist. To Early Mod.	3		
HUM	2230	Wrld. Hum: Early Mod to Contemp.	3		
HUM	2410	Asian Humanities	3		
HUM	2420	African Humanities	3		
HUM	2461	Latin American Humanities	3		
LIT	2110	World Literature I	3		
LIT	2120	World Literature II	3		
MUL	1010	Introduction to Music	3		
PHI	1010	Introduction to Philosophy	3		
PHI	1100	Elementary Logic	3		
PHI	1600	Ethics	3		
REL	2300	Introduction to Religion	3		
THE	1000	Introduction to Theater Arts	3		

GROUP III MATHEMATICS (3 HOURS) G*				IP	C
MGF	1119	Intro to Math with Application (non-transfer) <b>OR</b>	3		
		Any Gen. Ed. math course (transfer)			

GROUP IV SOCIAL SCIENCE (6 HOURS) G*				IP	C
G*PSY	2012	General Psychology	3		
G*SYG	2000	Introduction to Sociology	3		

### G GORDON RULE COURSE

\* Prerequisite and/or co-requisite required. See course descriptions in current HCC catalog.

! Recommended first semester courses.

Students must apply for degree by the deadline date (see catalog for further details).

Last saved by nhamilton 06/01/09

### PROGRAM REQUIREMENTS (45)

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

**Note:** All graduates of this A.S. degree program shall be granted admission into the Fire Science Management baccalaureate degree program at Northwood University.

**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 Certificate as a MUNICIPAL FIRE SAFETY INSPECTOR: FFP 1506, FFP 2120, FFP 2540, FFP 2521, and FFP 2510.

Total Credits: 60

IP - In Progress  
C - Completed Course

# HILLSBOROUGH COMMUNITY COLLEGE

## ACADEMIC ADVISING GUIDE ♦ ASSOCIATE IN SCIENCE ♦ 2009/2010

### Degree/Program Code A.S.HFT.RESH HOSPITALITY AND TOURISM MANAGEMENT (A.S. to B.S.)

This guide does not constitute a contract. It represents the minimum hours and course work you must complete to satisfy specific degree requirements. Additional preparatory courses may be necessary in reading, English, or mathematics, depending on your placement test scores. You must see an advisor or counselor your first term to determine which preparatory courses are required and to determine if any program revisions have occurred.

#### GENERAL EDUCATION REQUIREMENTS (18 HOURS)

GROUP I COMMUNICATIONS (6 HOURS) G*				IP	C
ENC	1101	English Composition I	3		
ENC	1102	English Composition II	3		

GROUP II HUMANITIES (3 hours) G*				IP	C
AML	2010	American Literature to 1885	3		
AML	2020	American Literature 1885 to Present	3		
AML	2600	African-American Literature	3		
ARH	1000	Art Appreciation	3		
DAN	2100	Intro to Dance	3		
ENL	2012	British Literature to 1800	3		
ENL	2022	British Literature 1800 to Present	3		
HUM	2210	Wrld. Hum: Prehist. To Early Mod.	3		
HUM	2230	Wrld. Hum: Early Mod to Contemp.	3		
HUM	2410	Asian Humanities	3		
HUM	2420	African Humanities	3		
HUM	2461	Latin American Humanities	3		
LIT	2110	World Literature I	3		
LIT	2120	World Literature II	3		
MUL	1010	Introduction to Music	3		
PHI	1010	Introduction to Philosophy	3		
PHI	1100	Elementary Logic	3		
PHI	1600	Ethics	3		
REL	2300	Introduction to Religion	3		
THE	1000	Introduction to Theater Arts	3		

GROUP III MATHEMATICS (3 HOURS) G*				IP	C
MGF	1119	Intro to Math with Application (non-transfer) <b>OR</b>	3		
		Any Gen. Ed. math course (transfer)			

GROUP IV SOCIAL SCIENCE (6 HOURS) G*				IP	C
PSY	2012	General Psychology	3		
SYG	2000	Introduction to Sociology	3		

\*Prerequisite and/or co-requisite required. See course descriptions in current HCC catalog.

#### G GORDON RULE COURSE

Last saved by nhamilton 05/28/09

#### PROGRAM REQUIREMENTS (46 HOURS)

PROGRAM CORE REQUIREMENTS				IP	C
ACG	2021	Financial Accounting	3		
		or			
APA	1111	Basic Accounting			
AAP	1321	Hospitality Accounting	3		
FSS	1223	Food Preparation for Managers	4		
FSS	1500	Food and Beverage Control	3		
FSS	2110	Food Plans & Menu Preparation	3		
FSS	2120	Food Purchasing and Storage	3		
FSS	2271	Beverage, Management & Serv.	3		
HFT	1000	Intro Hospitality Indus. Mgmt	3		
HFT	1410	Front Desk Procedures	3		
HFT	2210	Supervisory Development	3		
HFT	2530	Hospitality Merchandising Tech.	3		
HFT	2600	Hospitality Industry Law	3		
HFT	2750	Meeting, Conven., and Expo Ind	3		
HFT	2840	Maitre d' & Dining Room Service	3		
HFT	2941	Hospitality Management Intern.	2		
		Elective	1		

Total Credits: 64

IP - In Progress
C - Completed Course

Students must apply for degree by the deadline date (see catalog for further details).

**Degree/Program Code A.S.HFT.RESH  
HOSPITALITY AND TOURISM MANAGEMENT (A.S. to B.S.)**

**SUGGESTED GUIDELINES FOR HOSPITALITY & TOURISM MANAGEMENT (AS.HFT.RESH)**

An Associate in Science degree that can articulate into a baccalaureate degree is allowed under the provisions of the Florida state board of Education rule 6A-10.024. This particular degree program can transfer into the following university degree programs:

AS DEGREE PROGRAM	UNIVERSITY DEGREE PROGRAM	TOTAL HOURS OF UNIVERSITY PROGRAM
Hospitality & Tourism Management	Hospitality Administration/Management (#52.0901)	120

**The universities for the 2007/2008 year that are offering the aforementioned university articulated degree programs are as follows:**

**Hospitality Administration/Management**

**Track I - FIU, UCF, UWF**

The following common prerequisite course should be taken at the CC prior to transferring: HFT 1000

**Track II - FSU\***

The following list of common prerequisite courses should be taken at the CC prior to transferring: ACG 2021, ACG 2071, CGS 1000, ECO 2013, ECO 2023, MAC 2233, and STA 2023.

\*Limited Access

**Track III - USF**

The following list of common prerequisite courses should be taken at the CC prior to transferring: ACG 2021, ACG 2071, , ECO 2013, ECO 2023.

**Track 4 UCF**

The following list of common prerequisite courses should be taken at the CC prior to transferring: HFT 1000.

All transferring student must meet the senior-institution admissions requirements (e.g., the foreign language admissions requirement at the senior institution).

# HILLSBOROUGH COMMUNITY COLLEGE

## ACADEMIC ADVISING GUIDE ♦ ASSOCIATE IN APPLIED SCIENCE ♦ 2009/2010

### Degree/Program Code AAS.INDM.ARR - INDUSTRIAL MANAGEMENT (AUTOBODY COLLISION REPAIR PSAV ARTICULATED OPTION)

This guide does not constitute a contract. It represents the minimum hours and course work you must complete to satisfy degree requirements. Additional preparatory courses may be necessary in reading, English, or mathematics, depending on your placement test scores. You must see an advisor or counselor your first term to determine which preparatory courses are required or to determine if any program revisions have occurred.

#### GENERAL EDUCATION REQUIREMENTS (15 HOURS)

GROUP I COMMUNICATIONS (6 HOURS) G*				IP	C
ENC	1151	Technical English I	3		
SPC	1608	Public Speaking	3		

GROUP II HUMANITIES (3 hours) G*				IP	C
PHI	1600	Ethics	3		

GROUP III MATHEMATICS (3 HOURS) G*				IP	C
MGF	1119	Introduction to Math with Applications	3		

GROUP IV SOCIAL SCIENCE (3 HOURS) G*				IP	C
PSY	2012	General Psychology	3		

\* Prerequisite and/or corequisite required. See course description in the current HCC catalog.

#### G GORDON RULE COURSE

Students must apply for degree by the deadline date (see catalog for further details).

#### PROGRAM REQUIREMENTS (45 HOURS)

Thirty-three (33) hours of HCC college credit will be granted to a student who has successfully completed HCC'S PSAV program in Autobody Collision Repair. The transferring student must furnish a certificate, which show the successful completion of the program. The student must matriculate 15 credit hours of Industrial Management courses, prescribed below, at HCC on either a part-time basis or full-time basis to have these credits noted on his/her official college transcript.

				IP	C
<b>TRANSFER CREDIT</b>				33	
<b>PLUS</b>					
CGS	1000	Intro. to Computers & Technology	3		
MAN	1021	Principles of Management	3		
MAR	1011	Principles of Marketing	3		
SBM	2000	Small Business Management	3		

Total Credits: 60

IP - In Progress
C - Completed Course

# HILLSBOROUGH COMMUNITY COLLEGE

## ACADEMIC ADVISING GUIDE ♦ ASSOCIATE IN APPLIED SCIENCE ♦ 2009/2010

**Degree/Program Code AAS.INDM.BCV - INDUSTRIAL MANAGEMENT  
(INDEPENDENT ELECTRICAL CONTRACTORS & BUILDING CONSTRUCTION APPRENTICESHIP ARTICULATED OPTION)**

This guide does not constitute a contract. It represents the minimum hours and course work you must complete to satisfy degree requirements. Additional preparatory courses may be necessary in reading, English, or mathematics, depending on your placement test scores. You must see an advisor or counselor your first term to determine which preparatory courses are required or to determine if any program revisions have occurred.

**GENERAL EDUCATION REQUIREMENTS (15 HOURS)**

**GROUP I COMMUNICATIONS (6 HOURS) G\*** **IP C**

ENC	1151	Technical English I	3		
SPC	1608	Public Speaking	3		

**GROUP II HUMANITIES (3 hours) G\*** **IP C**

PHI	1600	Ethics	3		
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**GROUP III MATHEMATICS (3 HOURS) G\*** **IP C**

MGF	1119	Introduction to Math with Applications	3		
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**GROUP IV SOCIAL SCIENCE (3 HOURS) G\*** **IP C**

PSY	2012	General Psychology	3		
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\* Prerequisite and/or corequisite required. See course description in the current HCC catalog.

G GORDON RULE COURSE

Students must apply for degree by the deadline date (see catalog for further details).

**PROGRAM REQUIREMENTS (45 HOURS)**

Thirty-three (33) hours of HCC college credit will be granted to a student who has successfully completed one of the various PSAV apprenticeship training programs (Ind. Elec. Cont., Appren. Building Contractors). The transferring student must furnish a certificate, which shows the successful completion of the apprenticeship training program. The student must matriculate 15 credit hours of Industrial Management courses, prescribed below, at HCC on either a part-time or full-time basis to have these credits noted on his/her official college transcript.

			IP	C
<b>TRANSFER CREDIT</b>			33	
<b>PLUS</b>				
CGS	1000	Introduction to Computers & Technology	3	
MAN	1021	Principles of Management	3	
MAR	1011	Principles of Marketing	3	
SBM	2000	Small Business Management	3	

Total Credits: 60

IP - In Progress  
C - Completed Course

# HILLSBOROUGH COMMUNITY COLLEGE

## ACADEMIC ADVISING GUIDE ♦ ASSOCIATE IN APPLIED SCIENCE ♦ 2009/2010

### Degree/Program Code AAS.INDM.FORD - INDUSTRIAL MANAGEMENT FORD ASSET

This guide does not constitute a contract. It represents the minimum hours and course work you must complete to satisfy degree requirements. Additional preparatory courses may be necessary in reading, English, or mathematics, depending on your placement test scores. You must see an advisor or counselor your first term to determine which preparatory courses are required or to determine if any program revisions have occurred.

#### GENERAL EDUCATION REQUIREMENTS (15 HOURS)

GROUP I COMMUNICATIONS (6 HOURS) G*				IP	C
ENC	1151	Technical English I	3		
SPC	1608	Public Speaking	3		

GROUP II HUMANITIES (3 hours) G*				IP	C
PHI	1600	Ethics	3		

GROUP III MATHEMATICS (3 HOURS) G*				IP	C
MGF	1119	Introduction to Math with Applications	3		

GROUP IV SOCIAL SCIENCE (3 HOURS) G*				IP	C
PSY	2012	General Psychology	3		

\* Prerequisite and/or corequisite required. See course description in the current HCC catalog.

#### G GORDON RULE COURSE

Students must apply for degree by the deadline date (see catalog for further details).

#### PROGRAM REQUIREMENTS (45 HOURS)

Thirty-three (33) hours of HCC college credit will be granted to a student who has successfully completed the ASSET program at Brewster Technical Center. The transferring student must furnish a diploma along with a signed copy of his/her student record. The student must matriculate 15 credit hours of courses, prescribed below, at HCC on either a part-time or full-time basis to have these credits noted on his/her official college transcript. These courses may be taken simultaneously, prior to, or after completion of the Brewster program.

TRANSFER CREDIT				IP	C
				33	
PLUS					
CGS	1000	Introduction to Computers & Technology	3		
MAN	1021	Principles of Management	3		
MAR	1011	Principles of Marketing	3		
SBM	2000	Small Business Management	3		

Total Credits: 60

IP - In Progress
C - Completed Course

# HILLSBOROUGH COMMUNITY COLLEGE

## ACADEMIC ADVISING GUIDE ♦ ASSOCIATE IN APPLIED SCIENCE ♦ 2009/2010

### Degree/Program Code AAS.INDM.PMT - INDUSTRIAL MANAGEMENT (PLUMBING, WELDING, AND PIPEFITTING APPRENTICESHIP ARTICULATED OPTION)

This guide does not constitute a contract. It represents the minimum hours and course work you must complete to satisfy degree requirements. Additional preparatory courses may be necessary in reading, English, or mathematics, depending on your placement test scores. You must see an advisor or counselor your first term to determine which preparatory courses are required or to determine if any program revisions have occurred.

#### GENERAL EDUCATION REQUIREMENTS (15 HOURS)

GROUP I COMMUNICATIONS (6 HOURS) G*				IP	C
ENC	1151	Technical English I	3		
SPC	1608	Public Speaking	3		

GROUP II HUMANITIES (3 hours) G*				IP	C
PHI	1600	Ethics	3		

GROUP III MATHEMATICS (3 HOURS) G*				IP	C
MGF	1119	Introduction to Math with Applications	3		

GROUP IV SOCIAL SCIENCE (3 HOURS) G*				IP	C
PSY	2012	General Psychology	3		

\* Prerequisite and/or corequisite required. See course description in the current HCC catalog.

#### G GORDON RULE COURSE

Students must apply for degree by the deadline date (see catalog for further details).

#### PROGRAM REQUIREMENTS (45 HOURS)

Thirty-three (33) hours of HCC college credit will be granted to a student who has successfully completed one of the various PSAV apprenticeship training programs (Plumbing, Welding, Pipefitting). The transferring student must furnish a certificate, which shows the completion of the apprenticeship training program. The student must matriculate 15 credit hours of Industrial Management courses, prescribed below, at HCC on either a part-time or full-time basis to have these credits noted on his/her official college transcript.

				IP	C
<b>TRANSFER CREDIT</b>			33		
<b>PLUS</b>					
CGS	1000	Introduction to Computers & Technology	3		
MAN	1021	Principles of Management	3		
MAR	1011	Principles of Marketing	3		
SBM	2000	Small Business Management	3		

Total Credits: 60

IP - In Progress  
C - Completed Course

# HILLSBOROUGH COMMUNITY COLLEGE

## ACADEMIC ADVISING GUIDE ♦ ASSOCIATE IN APPLIED SCIENCE ♦ 2009/2010

### Degree/Program Code AAS.INDM.TECO - INDUSTRIAL MANAGEMENT (TECO)

This guide does not constitute a contract. It represents the minimum hours and course work you must complete to satisfy degree requirements. Additional preparatory courses may be necessary in reading, English, or mathematics, depending on your placement test scores. You must see an advisor or counselor your first term to determine which preparatory courses are required or to determine if any program revisions have occurred.

#### GENERAL EDUCATION REQUIREMENTS (15 HOURS)

##### GROUP I COMMUNICATIONS (6 HOURS) G\*

				IP	C
ENC	1151	Technical English I	3		
SPC	1608	Public Speaking	3		

##### GROUP II HUMANITIES (3 hours) G\*

				IP	C
PHI	1600	Ethics	3		

##### GROUP III MATHEMATICS (3 HOURS) G\*

				IP	C
MGF	1119	Introduction to Math with Applications	3		

##### GROUP IV SOCIAL SCIENCE (3 HOURS) G\*

				IP	C
PSY	2012	General Psychology	3		

\* Prerequisite and/or corequisite required. See course description in the current HCC catalog.

#### G GORDON RULE COURSE

Students must apply for degree by the deadline date (see catalog for further details).

#### PROGRAM REQUIREMENTS (45 HOURS)

Thirty-three (33) hours of HCC college credit will be granted to a student who has successfully completed one of the various TECO training programs, which have been articulated with the HCC (Lineman, Field Engineering, Substation Electrician, Plant Electrician, and Controls Analyst). The transferring student must furnish a diploma along with a letter from TECO's Human Resource Department stating the successful completion of the training program. The student must matriculate 15 credit hours of Industrial Management courses, prescribed below, at HCC on either a part-time or full-time basis to have these credits noted on his/her official college transcript.

				IP	C
<b>TRANSFER CREDIT</b>			33		
<b>PLUS</b>					
CGS	1000	Introduction to Computers & Technology	3		
MAN	1021	Principles of Management	3		
MAR	1011	Principles of Marketing	3		
SBM	2000	Small Business Management	3		

Total Credits: 60

IP - In Progress  
C - Completed Course

# HILLSBOROUGH COMMUNITY COLLEGE

◆ ACADEMIC ADVISING GUIDE ◆ ASSOCIATES IN SCIENCE/ASSOCIATES IN APPLIED SCIENCE ◆  
2009-2010

## Information Technology Security

### Degree/Program Code AS.CIS.SECURITY/AAS.CIS.SECURITY (63 Credit Hours)

This guide does not constitute a contract. It represents the minimum hours and course work you must complete to satisfy specific degree requirements. Additional preparatory courses may be necessary in reading, English, or mathematics, depending on your placement test scores. You must see an advisor or counselor your first term to determine which preparatory courses are required and to determine if any programs revisions have occurred.

#### GENERAL EDUCATION REQUIREMENTS (15 HOURS)

GROUP I COMMUNICATIONS (6 HOURS) G*				IP	C
ENC	1101	English Composition I	3		
ENC	1102	English Composition II	3		

GROUP II HUMANITIES (3 hours) G*				IP	C
AML	2010	American Literature to 1885	3		
AML	2020	American Literature 1885 to Present	3		
AML	2600	African-American Literature	3		
ARH	1000	Art Appreciation	3		
DAN	2100	Intro to Dance	3		
ENL	2012	British Literature to 1800	3		
ENL	2022	British Literature 1800 to Present	3		
HUM	2210	Wrld. Hum: Prehist. To Early Mod.	3		
HUM	2230	Wrld. Hum: Early Mod to Contemp.	3		
HUM	2410	Asian Humanities	3		
HUM	2420	African Humanities	3		
HUM	2461	Latin American Humanities	3		
LIT	2110	World Literature I	3		
LIT	2120	World Literature II	3		
MUL	1010	Introduction to Music	3		
PHI	1010	Introduction to Philosophy	3		
PHI	1100	Elementary Logic	3		
PHI	1600	Ethics	3		
REL	2300	Introduction to Religion	3		
THE	1000	Introduction to Theater Arts	3		

GROUP III MATHEMATICS (3 HOURS) G*				IP	C
		General Education Math	3		

GROUP IV SOCIAL SCIENCE (3 HOURS) G*				IP	C
		Social Science General Education	3		

#### PROGRAM REQUIREMENT (48 HOURS)

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

Total Credits: 63

IP - In Progress  
C - Completed Course

# HILLSBOROUGH COMMUNITY COLLEGE

ACADEMIC ADVISING GUIDE ♦ ASSOCIATE IN SCIENCE/ASSOCIATE IN APPLIED SCIENCE ♦ 2009/2010

## Degree/Program Code AS/AAS.WEB.TECH.OPT 1 - INTERNET SERVICES TECHNOLOGY OPTION 1: WEB DESIGNER

This guide does not constitute a contract. It represents the minimum hours and course work you must complete to satisfy degree requirements. Additional preparatory courses may be necessary in reading, English, or mathematics, depending on your placement test scores. You must see an advisor or counselor your first term to determine which preparatory courses are required or to determine if any program revisions have occurred.

### GENERAL EDUCATION REQUIREMENTS (15 HOURS)

GROUP I COMMUNICATIONS (3 HOURS) G*				IP	C
ENC	1101	English Composition I	3		

GROUP II HUMANITIES (3 hours) G*				IP	C
AML	2010	American Literature to 1885	3		
AML	2020	American Literature 1885 to Present	3		
AML	2600	African-American Literature	3		
ARH	1000	Art Appreciation	3		
DAN	2100	Intro to Dance	3		
ENL	2012	British Literature to 1800	3		
ENL	2022	British Literature 1800 to Present	3		
HUM	2210	Wrld. Hum: Prehist. To Early Mod.	3		
HUM	2230	Wrld. Hum: Early Mod to Contemp.	3		
HUM	2410	Asian Humanities	3		
HUM	2420	African Humanities	3		
HUM	2461	Latin American Humanities	3		
LIT	2110	World Literature I	3		
LIT	2120	World Literature II	3		
MUL	1010	Introduction to Music	3		
PHI	1010	Introduction to Philosophy	3		
PHI	1100	Elementary Logic	3		
PHI	1600	Ethics	3		
REL	2300	Introduction to Religion	3		
THE	1000	Introduction to Theater Arts	3		

GROUP III MATHEMATICS (3 HOURS) G*				IP	C
MGF	1119	Intro to Math with Application (non-transfer) <b>OR</b>	3		
		Any Gen. Ed. math course (transfer)			

GROUP IV SOCIAL SCIENCE (6 HOURS) G*				IP	C
		ENC 1102 or any General Education Social Science	3		
		Social Science General Education	3		

### PROGRAM REQUIREMENTS (48)

			IP	C
* CGS	1000	Intro to Computers & Technology	3	
* CGS	1103	Project Management	3	
CGS	1555	Introduction to the Internet	3	
* CGS	1577	Presentation Systems	3	
* CGS	1871	Multimedia Authoring I	3	
* CGS	2509	Introduction to Adobe Acrobat	1	
* CGS	2541	Database Design	3	
* CGS	2820	Web Authoring HTML	3	
* CGS	2822	Website Creation	3	
* CGS	2874	Multimedia Authoring II	3	
* CGS	2876	Digital Audio/Video Design	3	
CGS	2939	Internet Services Tech Capstone	3	
* COP	2823	Graphics Design/Multi/Internet	3	
* COP	2826	Advanced Graphic Design	3	
* OST	1813	Desktop Publishing	3	
* OST	1825	Desktop Designer	3	

Select at least 2 credit hours from the following:

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

Total Credits: 63

IP - In Progress
C - Completed Course

\* Prerequisite and/or corequisite required. See course description in the current HCC catalog.

#### G GORDON RULE COURSE

Students must apply for degree by the deadline date (see catalog for further details).

# HILLSBOROUGH COMMUNITY COLLEGE

ACADEMIC ADVISING GUIDE ♦ ASSOCIATE IN SCIENCE/ASSOCIATE IN APPLIED SCIENCE ♦ 2009/2010

## Degree/Program Code AS/AAS.WEB.TECH.OPT 2 - INTERNET SERVICES TECHNOLOGY OPTION 2: WEB DEVELOPER

This guide does not constitute a contract. It represents the minimum hours and course work you must complete to satisfy degree requirements. Additional preparatory courses may be necessary in reading, English, or mathematics, depending on your placement test scores. You must see an advisor or counselor your first term to determine which preparatory courses are required or to determine if any program revisions have occurred.

### GENERAL EDUCATION REQUIREMENTS (15 HOURS)

GROUP I COMMUNICATIONS (3 HOURS) G*				IP	C
ENC	1101	English Composition I	3		

GROUP II HUMANITIES (3 hours) G*				IP	C
AML	2010	American Literature to 1885	3		
AML	2020	American Literature 1885 to Present	3		
AML	2600	African-American Literature	3		
ARH	1000	Art Appreciation	3		
DAN	2100	Intro to Dance	3		
ENL	2012	British Literature to 1800	3		
ENL	2022	British Literature 1800 to Present	3		
HUM	2210	Wrld. Hum: Prehist. To Early Mod.	3		
HUM	2230	Wrld. Hum: Early Mod to Contemp.	3		
HUM	2410	Asian Humanities	3		
HUM	2420	African Humanities	3		
HUM	2461	Latin American Humanities	3		
LIT	2110	World Literature I	3		
LIT	2120	World Literature II	3		
MUL	1010	Introduction to Music	3		
PHI	1010	Introduction to Philosophy	3		
PHI	1100	Elementary Logic	3		
PHI	1600	Ethics	3		
REL	2300	Introduction to Religion	3		
THE	1000	Introduction to Theater Arts	3		

GROUP III MATHEMATICS (3 HOURS) G*				IP	C
MGF	1119	Intro to Math with Application (non-transfer) <b>OR</b>	3		
		Any Gen. Ed. math course (transfer)			

GROUP IV SOCIAL SCIENCE (6 HOURS) G*				IP	C
		ENC 1102 or any General Education Social Science	3		
		Social Science General Education	3		

\* Prerequisite and/or corequisite required. See course description in the current HCC catalog.

### G GORDON RULE COURSE

Students must apply for degree by the deadline date (see catalog for further details).

Last saved by nhamilton 06/01/09

### PROGRAM REQUIREMENTS (48)

			IP	C
* CGS	1000	Intro to Computers & Technology	3	
CGS	1555	Introduction to the Internet	3	
*CGS	1936	Perl & CGI	3	
* CGS	2509	Introduction to Adobe Acrobat	1	
* CGS	2541	Database Design	3	
CGS	2545	Introduction to Web Databases	3	
*CGS	2763	UNIX Administration	3	
CGS	2820	Web Authoring HTML	3	
* CGS	2822	Website Creation	3	
CGS	2823	Introduction to Active Server Pages	3	
CGS	2825	Web Site Management	3	
CGS	2939	Internet Services Tech Capstone	3	
COP	1000	Programming Logic	3	
COP	2800	JAVA Programming	3	
COP	2822	Scripting for the Web	3	
CTS	1106	Introduction to Unix	3	

**Select at least 2 credit hours from the following:**

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

Total Credits: 63

IP - In Progress C - Completed Course
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# HILLSBOROUGH COMMUNITY COLLEGE

ACADEMIC ADVISING GUIDE ♦ ASSOCIATE IN SCIENCE/ASSOCIATE IN APPLIED SCIENCE ♦ 2009/2010

## Degree/Program Code AS/AAS.NA.GEN - NETWORK ADMINISTRATOR GENERAL NETWORKING OPTION

This guide does not constitute a contract. It represents the minimum hours and course work you must complete to satisfy degree requirements. Additional preparatory courses may be necessary in reading, English, or mathematics, depending on your placement test scores. You must see an advisor or counselor your first term to determine which preparatory courses are required or to determine if any program revisions have occurred.

### GENERAL EDUCATION REQUIREMENTS (15 HOURS)

GROUP I COMMUN/SOCIAL SCIENCE (9 hours) G*				IP	C
ENC	1101	English Composition I	3		
		ENC 1102 or Social Science Gen Ed.	3		
		Social Science General Edu.	3		

GROUP II HUMANITIES (3 HOURS) G*				IP	C
AML	2010	American Literature to 1885	3		
AML	2020	American Literature 1885 to Present	3		
ARH	1000	Understanding Visual Art	3		
DAN	2100	Intro to Dance	3		
ENL	2012	British Literature to 1800	3		
ENL	2022	British Literature 1800 to Present	3		
HUM	2210	World Hum: Prehist. To Early Mod. Era	3		
HUM	2230	World Hum: Early Mod to Contemp.	3		
HUM	2410	Asian Humanities	3		
HUM	2420	African Humanities	3		
HUM	2461	Latin American Humanities	3		
LIT	2110	World Literature to 1650	3		
LIT	2120	World Literature 1650 to Present	3		
MUL	1010	Introduction to Music	3		
PHI	1010	Introduction to Philosophy	3		
PHI	1100	Elementary Logic	3		
PHI	1600	Ethics	3		
REL	2300	Introduction to Religion	3		
THE	1000	Introduction to Theater Arts	3		

GROUP III MATHEMATICS (3 hours) *				IP	C
MGF	1119	Introduction to Math with Applications (non-transfer) <b>OR</b> any General Ed. math course (transfer)	3		

\* Prerequisite and/or corequisite required. See course description in the current HCC catalog.

### G GORDON RULE COURSE

Last saved by nhamilton 05/27/09

### PROGRAM REQUIREMENTS (48)

				IP	C
CEN	2939	Network Administration Capstone	3		
* CET	1172C	Computer Upgrading & Repair	3		
* CET	1174C	Advanced Computer Repair	3		
* CET	1556C	Structured Cabling	3		
* CGS	1000	Intro to Computers & Technology	3		
* CGS	1555	Introduction to the Internet	3		
*CTS	1106	Introduction to UNIX	3		
* CGS	1761	Computer Operating Systems	3		
*CGS	2301	Management Information Systems	3		
* CGS	2541	Database Design	3		
* CNT	1401	Introduction to Network Security	3		
*CNT	2510	Wireless Networking	3		
*CTS	1305	Introduction to Networking	3		
*CTS	1327	Microsoft Windows Professional	3		
*CTS	1328	MS Windows Server	3		

#### Select 3 credit hours from the following:

*CTS	1306	M/S Windows Implement & Support	3		
*CTS	2301	UNIX/LINUX Administration I	3		

Total Credits: 63

IP - In Progress
C - Completed Course

# HILLSBOROUGH COMMUNITY COLLEGE

ACADEMIC ADVISING GUIDE ♦ ASSOCIATE IN SCIENCE/ASSOCIATE IN APPLIED SCIENCE ♦ 2009/2010

**Degree/Program Code AS/AAS.NA.OPT1 - NETWORK ADMINISTRATOR  
OPTION 1: MICROSOFT CERTIFIED SYSTEMS ENGINEER**

This guide does not constitute a contract. It represents the minimum hours and course work you must complete to satisfy degree requirements. Additional preparatory courses may be necessary in reading, English, or mathematics, depending on your placement test scores. You must see an advisor or counselor your first term to determine which preparatory courses are required or to determine if any program revisions have occurred.

**GENERAL EDUCATION REQUIREMENTS (15 HOURS)**

GROUP I COMMUN/SOCIAL SCIENCE (9 hours) G*				IP	C
ENC	1101	English Composition I	3		
		ENC 1102 or Social Science Gen Ed.	3		
		Social Science General Edu.	3		

GROUP II HUMANITIES (3 HOURS) G*				IP	C
AML	2010	American Literature to 1885	3		
AML	2020	American Literature 1885 to Present	3		
ARH	1000	Understanding Visual Art	3		
DAN	2100	Intro to Dance	3		
ENL	2012	British Literature to 1800	3		
ENL	2022	British Literature 1800 to Present	3		
HUM	2210	World Hum: Prehist. To Early Mod. Era	3		
HUM	2230	World Hum: Early Mod to Contemp.	3		
HUM	2410	Asian Humanities	3		
HUM	2420	African Humanities	3		
HUM	2461	Latin American Humanities	3		
LIT	2110	World Literature to 1650	3		
LIT	2120	World Literature 1650 to Present	3		
MUL	1010	Introduction to Music	3		
PHI	1010	Introduction to Philosophy	3		
PHI	1100	Elementary Logic	3		
PHI	1600	Ethics	3		
REL	2300	Introduction to Religion	3		
THE	1000	Introduction to Theater Arts	3		

GROUP III MATHEMATICS (3 hours) *				IP	C
MGF	1119	Introduction to Math with Applications (non-transfer) <b>OR</b> any General Ed. math course (transfer)	3		

\* Prerequisite and/or corequisite required. See course description in the current HCC catalog.

G GORDON RULE COURSE

Last saved by nhamilton 05/22/09

**PROGRAM REQUIREMENTS (51)**

				IP	C
CEN	2939	Network Administrator Capstone	3		
* CET	1172C	Computer Upgrading & Repair	3		
* CGS	1000	Intro to Computers & Technology	3		
* CGS	1555	Introduction to the Internet	3		
* CGS	1761	Computer Operating Systems	3		
* CGS	2541	Database Design	3		
* CNT	1401	Introduction to Network Security	3		
*CGS	2301	Management Information Systems	3		
*CNT	2510	Wireless Networking	3		
*CTS	1106	Introduction to Unix	3		
CTS	1302	M/S Windows Designing Directory Services Infrs.	3		
CTS	1303	M/S Windows Implementing & Support Active Directory Serv.	3		
*CTS	1305	Introduction to Networking	3		
*CTS	1306	M/S Windows Impl. & Support Network Infrs.	3		
*CTS	1327	Microsoft Windows Professional	3		
*CTS	1328	MS Windows Server	3		

**Select 3 credit hours from the following:**

CEN	1327	Planning and Maintaining MS Windows Network Infrastructure	3		

Or any course with prefix: CEN, CGS, CIS, or CNT

Total Credits: 66

IP - In Progress

C - Completed Course

Students must apply for degree by the deadline date (see catalog for further details).

# HILLSBOROUGH COMMUNITY COLLEGE

ACADEMIC ADVISING GUIDE ♦ ASSOCIATE IN SCIENCE/ASSOCIATE IN APPLIED SCIENCE ♦ 2009/2010

## Degree/Program Code AS/AAS.NA.OPT2 - NETWORK ADMINISTRATOR OPTION 2: CISCO AND TELECOMMUNICATIONS

This guide does not constitute a contract. It represents the minimum hours and course work you must complete to satisfy degree requirements. Additional preparatory courses may be necessary in reading, English, or mathematics, depending on your placement test scores. You must see an advisor or counselor your first term to determine which preparatory courses are required or to determine if any program revisions have occurred.

### GENERAL EDUCATION REQUIREMENTS (15 HOURS)

GROUP I COMMUN/SOCIAL SCIENCE (9 hours) G*				IP	C
ENC	1101	English Composition I	3		
		ENC 1102 or Social Science Gen Ed.	3		
		Social Science General Edu.	3		

GROUP II HUMANITIES (3 HOURS) G*				IP	C
AML	2010	American Literature to 1885	3		
AML	2020	American Literature 1885 to Present	3		
ARH	1000	Understanding Visual Art	3		
DAN	2100	Intro to Dance	3		
ENL	2012	British Literature to 1800	3		
ENL	2022	British Literature 1800 to Present	3		
HUM	2210	World Hum: Prehist. To Early Mod. Era	3		
HUM	2230	World Hum: Early Mod to Contemp.	3		
HUM	2410	Asian Humanities	3		
HUM	2420	African Humanities	3		
HUM	2461	Latin American Humanities	3		
LIT	2110	World Literature to 1650	3		
LIT	2120	World Literature 1650 to Present	3		
MUL	1010	Introduction to Music	3		
PHI	1010	Introduction to Philosophy	3		
PHI	1100	Elementary Logic	3		
PHI	1600	Ethics	3		
REL	2300	Introduction to Religion	3		
THE	1000	Introduction to Theater Arts	3		

GROUP III MATHEMATICS (3 hours) *				IP	C
MGF	1119	Introduction to Math with Applications (non-transfer) <b>OR</b> any	3		
		General Ed. math course (transfer)			

\* Prerequisite and/or corequisite required. See course description in the current HCC catalog.

G GORDON RULE COURSE

Last saved by nhamilton 05/22/09

### PROGRAM REQUIREMENTS (48)

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

Total Credits: 63

IP - In Progress
C - Completed Course

# HILLSBOROUGH COMMUNITY COLLEGE

ACADEMIC ADVISING GUIDE ♦ ASSOCIATE IN SCIENCE/ASSOCIATE IN APPLIED SCIENCE ♦ 2009/2010

## Degree/Program Code AS/AAS.NA.OPT 3 - NETWORK ADMINISTRATOR OPTION 3: UNIX/LINUX SYSTEM ADMINISTRATION

This guide does not constitute a contract. It represents the minimum hours and course work you must complete to satisfy degree requirements. Additional preparatory courses may be necessary in reading, English, or mathematics, depending on your placement test scores. You must see an advisor or counselor your first term to determine which preparatory courses are required or to determine if any program revisions have occurred.

### GENERAL EDUCATION REQUIREMENTS (15 HOURS)

GROUP I COMMUN/SOCIAL SCIENCE (9 hours) G*				IP	C
ENC	1101	English Composition I	3		
		ENC 1102 or Social Science Gen Ed.	3		
		Social Science General Edu.	3		

### GROUP II HUMANITIES (3 HOURS) G\*

GROUP II HUMANITIES (3 HOURS) G*				IP	C
AML	2010	American Literature to 1885	3		
AML	2020	American Literature 1885 to Present	3		
ARH	1000	Understanding Visual Art	3		
DAN	2100	Intro to Dance	3		
ENL	2012	British Literature to 1800	3		
ENL	2022	British Literature 1800 to Present	3		
HUM	2210	World Hum: Prehist. To Early Mod. Era	3		
HUM	2230	World Hum: Early Mod to Contemp.	3		
HUM	2410	Asian Humanities	3		
HUM	2420	African Humanities	3		
HUM	2461	Latin American Humanities	3		
LIT	2110	World Literature to 1650	3		
LIT	2120	World Literature 1650 to Present	3		
MUL	1010	Introduction to Music	3		
PHI	1010	Introduction to Philosophy	3		
PHI	1100	Elementary Logic	3		
PHI	1600	Ethics	3		
REL	2300	Introduction to Religion	3		
THE	1000	Introduction to Theater Arts	3		

### GROUP III MATHEMATICS (3 hours) \*

GROUP III MATHEMATICS (3 hours) *				IP	C
MGF	1119	Introduction to Math with Applications (non-transfer) <b>OR</b> any	3		
		General Ed. math course (transfer)			

\* Prerequisite and/or corequisite required. See course description in the current HCC catalog.

### G GORDON RULE COURSE

Last saved by nhamilton 05/27/09

### PROGRAM REQUIREMENTS (48)

				IP	C
CEN	2939	Network Administration Capstone	3		
* CET	1172C	Computer Upgrading & Repair	3		
* CGS	1000	Intro to Computers & Technology	3		
* CGS	1555	Introduction to the Internet	3		
* CGS	1761	Computer Operating Systems	3		
* CNT	1401	Introduction to Network Security	3		
*CGS	2301	Management Information Systems	3		
COP	1000	Programming Logic	3		
*COP	2344	Shell Scripting	3		
*CTS	1106	Introduction to Unix	3		
*CTS	1305	Introduction to Networking	3		
*CTS	2301	Unix/Linux Administration I	3		
*CTS	2311	Unix/Linux Security	3		
*CTS	2322	Unix/Linux Administration II	3		
*CTS	2333	Unix/Linux Networking	3		

### Select 3 credit hours from the following:

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

Total Credits: 63

IP - In Progress C - Completed Course
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# HILLSBOROUGH COMMUNITY COLLEGE

ACADEMIC ADVISING GUIDE ♦ ASSOCIATE IN SCIENCE/ASSOCIATE IN APPLIED SCIENCE ♦ 2009/2010

## Degree/Program Code AS/AAS.OA.OMTS - OFFICE ADMINISTRATION OFFICE MANAGEMENT SPECIALIZATION

This guide does not constitute a contract. It represents the minimum hours and course work you must complete to satisfy degree requirements. Additional preparatory courses may be necessary in reading, English, or mathematics, depending on your placement test scores. You must see an advisor or counselor your first term to determine which preparatory courses are required or to determine if any program revisions have occurred.

### GENERAL EDUCATION REQUIREMENTS (15 HOURS)

GROUP I COMMUNICATION (3 hours) G*				IP	C
ENC	1101	English Composition I	3		

GROUP II HUMANITIES (3 HOURS) G*				IP	C
AML	2010	American Literature to 1885	3		
AML	2020	American Literature 1885 to Present	3		
ARH	1000	Understanding Visual Art	3		
DAN	2100	Intro to Dance	3		
ENL	2012	British Literature to 1800	3		
ENL	2022	British Literature 1800 to Present	3		
HUM	2210	World Hum: Prehist. To Early Mod. Era	3		
HUM	2230	World Hum: Early Mod to Contemp.	3		
HUM	2410	Asian Humanities	3		
HUM	2420	African Humanities	3		
HUM	2461	Latin American Humanities	3		
LIT	2110	World Literature to 1650	3		
LIT	2120	World Literature 1650 to Present	3		
MUL	1010	Introduction to Music	3		
PHI	1010	Introduction to Philosophy	3		
PHI	1100	Elementary Logic	3		
PHI	1600	Ethics	3		
REL	2300	Introduction to Religion	3		
THE	1000	Introduction to Theater Arts	3		

GROUP III MATHEMATICS (3 hours) *				IP	C
MGF	1119	Introduction to Math with Applications (non-transfer) <b>OR</b>	3		
		any General Ed. math course (transfer)			

GROUP IV SOCIAL SCIENCE (6 hours) G*				IP	C
PSY	2012	General Psychology	3		
SYG	2000	Introduction to Sociology	3		

\* Prerequisite and/or corequisite required. See course description in the current HCC catalog.

#### G GORDON RULE COURSE

# Students may enroll an unlimited number of times in these courses; however, only one credit hour per course is applicable to program requirements.

Total Credits: 63

IP - In Progress
C - Completed Course

Last saved by nhamilton 05/27/09

### PROGRAM REQUIREMENTS CONTINUED (48)

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

#### Select 7 credits for the following list:

CAP	2816	Database Management II	1		
* CGS	1000	Intro. to Computers & Tech.	3		
CGS	1510	Spreadsheets Application I	1		
CGS	1520	Business Graphics	1		
CGS	1540	Database Management I	1		
CGS	1555	Introduction to the Internet	3		
CGS	2511	Spreadsheet Applications II	1		
CTS	1305	Introduction to Networking	3		
LIS	1004	Internet Research	3		
* MNA	1320	HR Recruit, Interview, Selection	3		
* MNA	1325	HR Stat. Anal, Comp. & Benefits	3		
* OST	1110	Intermediate PC Typing	3		
* OST	1142	Keyboarding I	1		
* OST	1143	Keyboarding II	1		
* OST	1330	Skills for Transcription	3		
* OST	1355	Records Information	3		
*OST	1813	Desktop Publishing	3		
OST	1831	Introduction to Windows I	1		
OST	1941	OST Internship	3		
* OST	2402	Office Procedures	3		
* OST	2722	Adv. Word Processing	3		
OST	2742	Word Processing II	1		
OST	2743	Word Processing III	1		

# HILLSBOROUGH COMMUNITY COLLEGE

ACADEMIC ADVISING GUIDE ♦ ASSOCIATE IN SCIENCE/ASSOCIATE IN APPLIED SCIENCE ♦ 2009/2010

## Degree/Program Code AS/AAS.OA.OSTS - OFFICE ADMINISTRATION SYSTEMS TECHNOLOGY SPECIALIZATION

This guide does not constitute a contract. It represents the minimum hours and course work you must complete to satisfy degree requirements. Additional preparatory courses may be necessary in reading, English, or mathematics, depending on your placement test scores. You must see an advisor or counselor your first term to determine which preparatory courses are required or to determine if any program revisions have occurred.

### GENERAL EDUCATION REQUIREMENTS (15 HOURS)

GROUP I COMMUNICATION (3 hours) G*				IP	C
ENC	1101	English Composition I	3		

GROUP II HUMANITIES (3 HOURS) G*				IP	C
AML	2010	American Literature to 1885	3		
AML	2020	American Literature 1885 to Present	3		
ARH	1000	Understanding Visual Art	3		
DAN	2100	Intro to Dance	3		
ENL	2012	British Literature to 1800	3		
ENL	2022	British Literature 1800 to Present	3		
HUM	2210	World Hum: Prehist. To Early Mod. Era	3		
HUM	2230	World Hum: Early Mod to Contemp.	3		
HUM	2410	Asian Humanities	3		
HUM	2420	African Humanities	3		
HUM	2461	Latin American Humanities	3		
LIT	2110	World Literature to 1650	3		
LIT	2120	World Literature 1650 to Present	3		
MUL	1010	Introduction to Music	3		
PHI	1010	Introduction to Philosophy	3		
PHI	1100	Elementary Logic	3		
PHI	1600	Ethics	3		
REL	2300	Introduction to Religion	3		
THE	1000	Introduction to Theater Arts	3		

GROUP III MATHEMATICS (3 hours) *				IP	C
MGF	1119	Introduction to Math with Applications (non-transfer) <b>OR</b> any	3		
		General Ed. math course (transfer)			

GROUP IV SOCIAL SCIENCE (6 hours) G*				IP	C
PSY	2012	General Psychology	3		
SYG	2000	Introduction to Sociology	3		

\* Prerequisite and/or corequisite required. See course description in the current HCC catalog.

! Recommended first semester courses.

G GORDON RULE COURSE

# Students may enroll an unlimited number of times in these courses; however, only one credit hour per course is applicable to program requirements.

Last saved by nhamilton 05/27/09

### PROGRAM REQUIREMENTS (48)

Core Requirements (38 hours)				IP	C
APA	1111	Basic Accounting	3		
! CIS	1931	Microcomputer Concepts	3		
! OST	1110	Intermediate PC Typing	3		
! OST	1330	Skills for Transcription	3		
OST	1335	Business Communications	3		
OST	1345	Forms Design & Management	2		
OST	1355	Records Information	3		
OST	1382	International Office Protocol	1		
#*OST	1741	Word Processing I	1		
!*OST	1831	Introduction to Windows I	1		
OST	2402	Office Procedures	3		
OST	2501	Office Administration	3		
OST	2722	Adv. Word Processing	3		
#*OST	2742	Word Processing II	1		
#*OST	2743	Word Processing III	1		
SLS	1261	Personal Skills for Business	3		
SPC	1006	Speech Improvement	1		

### Select 10 credit hours from the following:

CAP	2816	Database Management II	1		
CGS	1000	Introduction to Computers & Tech.	3		
CGS	1510	Spreadsheets Application I	1		
CGS	1520	Business Graphics	1		
CGS	1540	Database Management I	1		
CGS	1555	Introduction to the Internet	3		
* CGS	2511	Spreadsheet Applications II	1		
CTS	1305	Introduction to Networking	3		
LIS	1004	Internet Research	3		
OST	1100	Beginning PC Typing	3		
OST	1142	Keyboarding I	1		
* OST	1143	Keyboarding II	1		
OST	1825	Desktop Design	3		
OST	1941	OST Internship	3		
OST	2145	Data Entry Applications	3		
OST	2357	Electronic Records Management	3		

Total Credits: 63

IP - In Progress
C - Completed Course

# HILLSBOROUGH COMMUNITY COLLEGE

ACADEMIC ADVISING GUIDE ♦ ASSOCIATE IN APPLIED SCIENCE ♦ 2009/2010

## Degree/Program Code AAS.OA.MOA - OFFICE ADMINISTRATION MEDICAL OFFICE ADMINISTRATION SPECIALIZATION

This guide does not constitute a contract. It represents the minimum hours and course work you must complete to satisfy degree requirements. Additional preparatory courses may be necessary in reading, English, or mathematics, depending on your placement test scores. You must see an advisor or counselor your first term to determine which preparatory courses are required or to determine if any program revisions have occurred.

### GENERAL EDUCATION REQUIREMENTS (15 HOURS)

GROUP I COMMUNICATION (3 hours) G*				IP	C
ENC	1101	English Composition I	3		

GROUP II HUMANITIES (3 HOURS) G*				IP	C
AML	2010	American Literature to 1885	3		
AML	2020	American Literature 1885 to Present	3		
ARH	1000	Understanding Visual Art	3		
DAN	2100	Intro to Dance	3		
ENL	2012	British Literature to 1800	3		
ENL	2022	British Literature 1800 to Present	3		
HUM	2210	World Hum: Prehist. To Early Mod. Era	3		
HUM	2230	World Hum: Early Mod to Contemp.	3		
HUM	2410	Asian Humanities	3		
HUM	2420	African Humanities	3		
HUM	2461	Latin American Humanities	3		
LIT	2110	World Literature to 1650	3		
LIT	2120	World Literature 1650 to Present	3		
MUL	1010	Introduction to Music	3		
PHI	1010	Introduction to Philosophy	3		
PHI	1100	Elementary Logic	3		
PHI	1600	Ethics	3		
REL	2300	Introduction to Religion	3		
THE	1000	Introduction to Theater Arts	3		

GROUP III MATHEMATICS (3 hours) *				IP	C
MGF	1119	Introduction to Math with Applications (non-transfer) <b>OR</b> any General Ed. math course (transfer)	3		

GROUP IV SOCIAL SCIENCE (6 hours) G*				IP	C
PSY	2012	General Psychology	3		
SYG	2000	Introduction to Sociology	3		

\* Prerequisite and/or corequisite required. See course description in the current HCC catalog.

### G GORDON RULE COURSE

Last saved by nhamilton 05/27/09

### PROGRAM REQUIREMENTS (48)

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

### Select 3 credit hours from the following:

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

# Students may enroll an unlimited number of times in these courses; however, only one credit hour per course is applicable to program requirements.

**Total Credits: 63**

IP - In Progress
C - Completed Course

# HILLSBOROUGH COMMUNITY COLLEGE

ACADEMIC ADVISING GUIDE ♦ ASSOCIATE IN SCIENCE OR ASSOCIATE IN APPLIED SCIENCE ♦ 2009/2010

## Degree/Program Code AS.LEGAL or AAS.LEGAL - PARALEGAL STUDIES (Legal Assisting)

This guide does not constitute a contract. It represents the minimum hours and course work you must complete to satisfy degree requirements. Additional preparatory courses may be necessary in reading, English, or mathematics, depending on your placement test scores. You must see an advisor or counselor your first term to determine which preparatory courses are required or to determine if any program revisions have occurred.

### GENERAL EDUCATION REQUIREMENTS (15 HOURS)

GROUP I COMMUNICATION (6 hours) G*				IP	C
ENC	1101	English Composition I	3		
ENC	1102	English Composition II	3		

GROUP II HUMANITIES (3 HOURS) G*				IP	C
AML	2010	American Literature to 1885	3		
AML	2020	American Literature 1885 to Present	3		
ARH	1000	Understanding Visual Art	3		
DAN	2100	Intro to Dance	3		
ENL	2012	British Literature to 1800	3		
ENL	2022	British Literature 1800 to Present	3		
HUM	2210	World Hum: Prehist. To Early Mod. Era	3		
HUM	2230	World Hum: Early Mod to Contemp.	3		
HUM	2410	Asian Humanities	3		
HUM	2420	African Humanities	3		
HUM	2461	Latin American Humanities	3		
LIT	2110	World Literature to 1650	3		
LIT	2120	World Literature 1650 to Present	3		
MUL	1010	Introduction to Music	3		
PHI	1010	Introduction to Philosophy	3		
PHI	1100	Elementary Logic	3		
PHI	1600	Ethics	3		
REL	2300	Introduction to Religion	3		
THE	1000	Introduction to Theater Arts	3		

GROUP III MATHEMATICS (3 hours) *				IP	C
MGF	1119	Introduction to Math with Applications (non-transfer) <b>OR</b> any General Ed. math course (transfer)	3		

GROUP IV SOCIAL SCIENCE (3 hours) G*				IP	C
		Any Gen Ed. Social Science	3		

\* Prerequisite and/or corequisite required. See course description in the current HCC catalog.

### G GORDON RULE COURSE

Students must apply for a degree by the deadline date (see catalog for details).

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

Last saved by nhamilton 06/01/09

### PROGRAM REQUIREMENTS (49 HOURS)

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

### Choose 9 hours from the following specified courses:

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

Total Credits: 64

IP - In Progress  
C - Completed Course

# HILLSBOROUGH COMMUNITY COLLEGE

ACADEMIC ADVISING GUIDE ♦ ASSOCIATE IN SCIENCE/ASSOCIATE IN APPLIED SCIENCE ♦ 2009/2010

## Degree/Program Code AS/AAS.CUL.RES - RESTAURANT MANAGEMENT

This guide does not constitute a contract. It represents the minimum hours and course work you must complete to satisfy degree requirements. Additional preparatory courses may be necessary in reading, English, or mathematics, depending on your placement test scores. You must see an advisor or counselor your first term to determine which preparatory courses are required or to determine if any program revisions have occurred.

### GENERAL EDUCATION REQUIREMENTS (15 HOURS)

GROUP I COMMUNICATION (3 hours) G*				IP	C
ENC	1101	English Composition I	3		

GROUP II HUMANITIES (3 HOURS) G*				IP	C
AML	2010	American Literature to 1885	3		
AML	2020	American Literature 1885 to Present	3		
ARH	1000	Understanding Visual Art	3		
DAN	2100	Intro to Dance	3		
ENL	2012	British Literature to 1800	3		
ENL	2022	British Literature 1800 to Present	3		
HUM	2210	World Hum: Prehist. To Early Mod. Era	3		
HUM	2230	World Hum: Early Mod to Contemp.	3		
HUM	2410	Asian Humanities	3		
HUM	2420	African Humanities	3		
HUM	2461	Latin American Humanities	3		
LIT	2110	World Literature to 1650	3		
LIT	2120	World Literature 1650 to Present	3		
MUL	1010	Introduction to Music	3		
PHI	1010	Introduction to Philosophy	3		
PHI	1100	Elementary Logic	3		
PHI	1600	Ethics	3		
REL	2300	Introduction to Religion	3		
THE	1000	Introduction to Theater Arts	3		

GROUP III MATHEMATICS (3 hours) *				IP	C
MGF	1119	Introduction to Math with Applications (non-transfer) <b>OR</b> any	3		
		General Ed. math course (transfer)			

GROUP IV SOCIAL SCIENCE (3 hours) G*				IP	C
PSY	2012	General Psychology	3		

GROUP V NATURAL SCIENCE (3 hours) G*				IP	C
BSC	1005C	Biological Foundations I	3		

\* Prerequisite and/or corequisite required. See course description in the current HCC catalog.

! Recommended course for the first semester.

G GORDON RULE COURSE

### PROGRAM REQUIREMENTS (49 HOURS)

				IP	C
APA	1321	Hospitality Accounting	3		
CGS	1000	Intro. to Computers & Technology	3		
! FSS	1223	Food Preparation for Managers	4		
FSS	1246C	Food Specialties I (Baking)	3		
! FSS	1248C	Food Specialties (Garde Man I)	3		
FSS	1249C	Food Specialties III (Garde Man II)	3		
FSS	1500	Food and Beverage Control	3		
! FSS	2110	Food Plans and Menu Preparation	3		
FSS	2120	Food Purchasing and Storage	3		
FSS	2271	Beverage Mgmt. and Service	3		
HFT	2210	Supervisory Development	3		
HFT	2530	Hospitality Merchandising Tech.	3		
HFT	2840	Maitre d' and Dining Room Service	3		
HUN	2201	Fundamentals of Human Nutrition	3		
SPC	1006	Speech Improvement	1		
		Elective	5		

Total Credits: 64

IP - In Progress  
C - Completed Course

Students must apply for degree by the deadline date (see catalog for further details).

# HILLSBOROUGH COMMUNITY COLLEGE

## ACADEMIC ADVISING GUIDE ♦ ASSOCIATE IN SCIENCE ♦ 2009/2010

### Degree/Program Code A.S.INTT OR AAS.INTT - SIGN LANGUAGE INTERPRETATION PROGRAM

This guide does not constitute a contract. It represents the minimum hours and course work you must complete to satisfy specific degree requirements. Additional preparatory courses may be necessary in reading, English, or mathematics, depending on your placement test scores. You must see an advisor or counselor your first term to determine which preparatory courses are required and to determine if any program revisions have occurred.

#### PREREQUISITE COURSES FOR PROGRAM (8 HOURS) IP C

The following must be earned prior to taking program requirements:

*ASL					
*ASL	1140	American Sign Language I	3		
*ASL	1140L	American Sign Language I Lab	1		
*ASL	1150	American Sign Language II	3		
*ASL	1150L	American Sign Language II Lab	1		

#### GENERAL EDUCATION REQUIREMENTS (18 HOURS)

##### GROUP I COMMUNICATIONS (6 HOURS) G\* IP C

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

##### GROUP II HUMANITIES (3 HOURS) G\* IP C

AML					
AML	2010	American Literature to 1885	3		
AML	2020	American Literature 1885 to Present	3		
ARH	1000	Understanding Visual Art	3		
DAN	2100	Intro to Dance	3		
ENL	2012	British Literature to 1800	3		
ENL	2022	British Literature 1800 to Present	3		
HUM	2210	World Hum: Prehist. To Early Mod. Era	3		
HUM	2230	World Hum: Early Mod to Contemp.	3		
HUM	2410	Asian Humanities	3		
HUM	2420	African Humanities	3		
HUM	2461	Latin American Humanities	3		
LIT	2110	World Literature to 1650	3		
LIT	2120	World Literature 1650 to Present	3		
MUL	1010	Introduction to Music	3		
PHI	1010	Introduction to Philosophy	3		
PHI	1100	Elementary Logic	3		
PHI	1600	Ethics	3		
REL	2300	Introduction to Religion	3		
THE	1000	Introduction to Theater Arts	3		

##### GROUP III MATHEMATICS/SCIENCE (6 HOURS) G\* IP C

MGF					
MGF	1119	Intro to Math w/Appl (non Transfer) or			
		*any General Education Math course (transfer)	3		
BSC	1005C	Biological Foundations I <b>OR</b> any Biological Sci. Gen. Ed. w/lab	3		

##### GROUP IV SOCIAL SCIENCE (3 HOURS) G\* IP C

ANT					
ANT	2000	Introduction to Anthropology <b>OR</b>	3		
PSY	2012	General Psychology <b>OR</b>	3		
SYG	2000	Introduction to Sociology	3		

#### PROGRAM REQUIREMENTS (46 HOURS)

##### PROGRAM CORE REQUIREMENTS IP C

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

Total Credits: 72

IP - In Progress  
C - Completed Course

\*Prerequisite and/or co-requisite required. See course descriptions in current HCC catalog.

#### **G GORDON RULE COURSE**

Students must apply for degree by the deadline date (see catalog for further details).

**Note:** All graduates of this A.S. degree program shall be granted admission into the Communication Sciences and Disorders baccalaureate degree program at the University of South Florida.

Last saved by nhamilton 05/22/09

## Sign Language Interpretation Program - Experiential Credit Option

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 are eligible to receive the follow the Experiential Credit Option to earn the Sign Language Interpretation AS or AAS degree.

Program Credits awarded for Experience: (18 Credit Hours)					
*INT	1941	Interpreting Practicum	2		
*INT	2200	Interactive Interpreting I	3		
*INT	2200L	Interactive Interpreting I Lab	2		
*INT	2201L	Interactive Interpreting II Lab (Lab Only)	3		
*INT	2210L	Interactive Transliterating Lab (Lab Only)	2		
*INT	2231L	Amer. Sign Language to Spoken English Interpreting (Lab Only)	3		
*INT	2400	Educational Interpreting	2		
*INT	2400L	Educational Interpreting Lab	1		

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.

Courses Allowed for Credit-by-Exam (18 Credit Hours)					
*ASL	1140	American Sign Language I	3		
*ASL	1140L	American Sign Language I Lab	1		
*ASL	1150	American Sign Language II	3		
*ASL	1150L	American Sign Language II Lab	1		
*ASL	1430	Fingerspelling	2		
*ASL	2130	American Sign Language III	3		
*ASL	2130L	American Sign Language III Lab	1		
*ASL	2210	American Sign Language IV	3		
*ASL	2210L	American Sign Language IV Lab	1		

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 or transfer from an accredited source (at a "C" or better) the following:

All general education program requirements and the following program specific courses:

*ASL	1300C	Structure of American Sign Lang.	4		
*ASL	1510	Introduction to Deaf Culture	3		
*INT	1941	Interpreting Practicum	2		
*INT	2130	Introduction to Interpreting Ethics	3		
*INT	2930	Interpreting Topics	2		
*INT	2942	Interpreting Internship	3		
SPA	2001	Survey of Comm. Disorders	3		

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.

# HILLSBOROUGH COMMUNITY COLLEGE

ACADEMIC ADVISING GUIDE ♦ ASSOCIATE IN SCIENCE ♦ 2009/2010

## Degree/Program Code AS.VET.TECH - VETERINARY TECHNOLOGY

This guide does not constitute a contract. It represents the minimum hours and course work you must complete to satisfy degree requirements. Additional preparatory courses may be necessary in reading, English, or mathematics, depending on your placement test scores. You must see an advisor or counselor your first term to determine which preparatory courses are required or to determine if any program revisions have occurred.

### GENERAL EDUCATION REQUIREMENTS (18 HOURS)

GROUP I COMMUNICATIONS (3 HOURS) G*				IP	C
ENC	1101	English Composition I	3		

GROUP II HUMANITIES (6 HOURS) G*				IP	C
AML	2010	American Literature to 1885	3		
AML	2020	American Literature 1885 to Present	3		
ARH	1000	Understanding Visual Art	3		
DAN	2100	Intro to Dance	3		
ENL	2012	British Literature to 1800	3		
ENL	2022	British Literature 1800 to Present	3		
HUM	2210	World Hum: Prehist. To Early Mod. Era	3		
HUM	2230	World Hum: Early Mod to Contemp.	3		
HUM	2410	Asian Humanities	3		
HUM	2420	African Humanities	3		
HUM	2461	Latin American Humanities	3		
LIT	2110	World Literature to 1650	3		
LIT	2120	World Literature 1650 to Present	3		
MUL	1010	Introduction to Music	3		
PHI	1010	Introduction to Philosophy	3		
PHI	1100	Elementary Logic	3		
PHI	1600	Ethics	3		
REL	2300	Introduction to Religion	3		
THE	1000	Introduction to Theater Arts	3		

GROUP III MATHEMATICS/SCIENCE (6 HOURS) G*				IP	C
MAC	1105	College Algebra <b>OR</b>			
MFG	1106	Math for Liberal Arts <b>OR</b>	3		
STA	2023	Statistics <b>OR</b>			
		any higher gen ed math			
BSC	1005C	Biological Foundations I <b>OR</b> any Biological Sci. Gen. Ed. w/lab	3		

GROUP IV SOCIAL SCIENCE (3 HOURS) G*				IP	C
G		Social Science General Ed course	3		

\* Prerequisite and/or corequisite required. See course description in the current HCC catalog.

### G GORDON RULE COURSE

Last saved by nhamilton 06/01/09

### PROGRAM REQUIREMENTS (55 HOURS)

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

Total Credits: 73

IP - In Progress  
C - Completed Course

Students must apply for degree by the deadline date (see catalog for further details).

Students transferring to a four-year university should consult an advisor to determine which courses are appropriate for university transfer.