AGRICULTURE (0001)

Science/Mathematics Division

RECOMMENDED COURSES FOR TRANSFER ASSOCIATE OF SCIENCE DEGREE PROGRAMS

Area A		
Essential Skills - 9 hours		
ENGL 1101	English Composition I	3
ENGL 1102	English Composition II	3
MATH 1113 or	Pre-Calculus or	3
MATH 1112	Trigonometry	
Area B	,	
Institutional Options - 4 ho	urs	
See Core Curriculum, Ar		4
Area C		
Humanities/Fine Arts - 6 he	ours	
Literature course	See Core Curriculum, Area C Humanities/Fine Arts	3
The following course is r	ecommended, but other Area C courses	
are allowed. See Core (
COMM 1110	Public Speaking*	3
Area D	3	
Science, Math and Technol	logy - 11 hours	
Science Requirements		
CHEM 1211K and	Principles of Chemistry I and	8
CHEM 1212K	Principles of Chemistry II	•
Math/Technology Requirement		
CSCI 1300	Introduction to Computer Science	3
Area E		_
Social Science - 12 hours		
HIST 1111 or	Survey of World History I or	3
HIST 1112	Survey of World History II	Ū
HIST 2111 or	U.S. History Through 1877 or	
HIST 2112	U.S. History After 1877	3
POLS 1101	American Government in World Perspective	3
ECON 2105	Principles of Macroeconomics	3
Area F		-
Courses Related to the Ma	ior - 18 hours	
Major Requirements	,	
BIOL 1107K and	Principles of Biology I and	8
BIOL 1108K	Principles of Biology II	
Major Electives		
CHEM 2240K	Principles of Organic Chemistry I	4
PHYS 1111K and	Introductory Physics I and	
PHYS 1112K	Introductory Physics II or	
PHYS 2211K and	Principles of Physics I and	8
PHYS 2212K	Principles of Physics II	•
Area G	· 1	
Physical Education – (1 – 4	courses)**	4-8
	er of full-time enrollment with a maximum of 4 courses	
·		

^{*}Oral Communication requirement may be met by completion of other communication courses. See Core Curriculum, Area B.

66-70

Two-Year Total

^{**}See AREA G of the Core Curriculum for fitness competency requirement.

AGRICULTURE (0001) Science/Mathematics Division RECOMMENDED COURSES FOR TRANSFER ASSOCIATE OF SCIENCE DEGREE PROGRAMS

Freshman Year ENGL 1101 CHEM 1211K MATH 1113 POLS 1101 AREA B Elective AREA G Elective	English Composition I Principles of Chemistry I Pre-Calculus American Government in World Perspective See Core Curriculum, Area B. See Core Curriculum, Area G, Health/Phy.Educ	3 4 3 3 2 1-2 16-17
ENGL 1102 CHEM 1212K CSCI 1300 HIST 1111 or HIST 1112 AREA B Elective AREA G Elective	Second Semester English Composition II Principles of Chemistry II Introduction to Computer Science Survey of World History I or Survey of World History II See Core Curriculum, Area B. See Core Curriculum, Area G, Health/Phy.Educ Summer Semester	3 4 3 3 2 1-2 16-17
CHEM 2240K	Principles of Organic Chemistry I	4
Sophomore Year BIOL 1107K PHYS 1111K COMM 1110 HIST 2111 or HIST 2112 AREA G Elective	First Semester Principles of Biology I Introductory Physics I Public Speaking* U.S. History Through 1877 or U.S. History After 1877 See Core Curriculum, Area G, Health/Phy.Educ	3 1-2 15-16
BIOL 1108K PHYS 1112K AREA C Literature ECON 2105 AREA G Elective	Principles of Biology II Introductory Physics II See Core Curriculum, Area C. Principles of Macroeconomics See Core Curriculum, Area G, Health/Phy.Educ	15-16
	Two-Year Total	66-70

^{*}Oral Communication requirement may be met by completion of other communication courses. See Core Curriculum, Area B.

ANTHROPOLOGY (0093) Social Science Division COMMENDED COURSES FOR TRANS

RECOMMENDED COURSES FOR TRANSFER ASSOCIATE OF SCIENCE DEGREE PROGRAMS

Area A			
Ess	ential Skills - 9 Hours		
	ENGL 1101	English Composition I	3
	ENGL 1102	English Composition II	3
	MATH 1101 or	Quantitative Skills and Reasoning or	
	MATH 1111	College Algebra or higher math	3
Area B			
Inst	itutional Options - 4 Hou	urs	
	See Core Curriculum, Ai	rea B.	4
Area C			
Hun	nanities And The Fine A		_
		See Core Curriculum, Area C, Humanities/Fine Arts. ecommended, but other Area C courses	3
	are allowed. See Core (_
	COMM 1110	Public Speaking*	3
Area D			
Scie	ence, Mathematics, And		_
	Lab Science	See Core Curriculum, Area D, Lab Sciences.	8
	Mathematics/	See Core Curriculum, Area D, Mathematics/	2
	Technology	Technology courses.	3
Area E			
	ial Science - 12 Hours		
	HIST 1111 or	Survey of World History I or	
	HIST 1112	Survey of World History II	3
	HIST 2111 or	U.S. History Through 1877 or	_
	HIST 2112	U.S. History After 1877	3
	POLS 1101	American Government in World Perspective	3
	Elective	See Core Curriculum, Area E, Social/Science course	s 3
Area F			
Cou	rses Related To The Ma		
	ANTH 1103	Introduction to Cultural Anthropology	3
Opti	onal Electives (15 hours)		
	BIOL 1107K	Principles of Biology I	4
	BIOL 1108K or	Principles of Biology II or	4
	CSCI 1150 or	Computer Programming in Visual Basic or	3
	CSCI 1300 or	Introduction to Computer Science	3
	ECON 2105 or	Principles of Macroeconomics or	3
	ECON 2106 or	Principles of Microeconomics or	3
	Foreign Language		-12
	GEOG 1101or	Introduction to Human Geography or	3
	HIST 1111** or	Survey of World History I	3
	HIST 1112** or	Survey of World History II	3
	HIST 2111** or	U.S. History Through 1877 or	3
	HIST 2112** or	U.S. History After 1877 or	3

MATH 2205 or	Introduction to Statistics or	3
PHIL 2205 or	Introduction to Philosophy or	3
POLS 2201 or	American State and Local Government or	3
POLS 2401 or	International Politics or	3
PSYC 1101 or	General Psychology or	3
PSYC 2215 or	Human Growth and Development or	3
PSYC 2225 or	Introduction to Abnormal Psychology or	3
PSYC 2226	Introduction to Social Psychology	3
PUAD 2601 or	Introduction to Public Administration or	3
SOCI 1101 or	Principles of Sociology or	3
SOCI 1160	Introduction to Social Problems	3

Area G

Physical Education - (1 - 4 courses)***

4-8

One course per semester of full-time enrollment with a maximum of 4 courses

Two-Year Total

64-68

^{*}Oral Communication requirement may be met by completion of other communication courses. See Core Curriculum, Area B.

^{**}If taken in a previous area, may not be used again.

^{***}See AREA G of the Core Curriculum for fitness competency requirement.

ANTHROPOLOGY (0093) Social Science Division RECOMMENDED COURSES FOR TRANSFER ASSOCIATE OF SCIENCE DEGREE PROGRAMS

Freshman Year ENGL 1101 MATH 1001 or MATH 1111 AREA D Lab Science HIST 2111 or HIST 2112 AREA F Elective AREA G Elective	First Semester Composition I Quantitative Skills and Reasoning or or College Algebra or higher math See Core Curriculum, Area D, Lab Sciences. U.S. History Through 1877 or U.S. History After 1877 See Area F Courses Related to the Major. See Core Curriculum, Health/Phy.Educ.	3 3 4 3 3 1-2 17-18
ENGL 1102 AREA D Lab Science AREA D Elective HIST 1111 or HIST 1112 AREA F Elective AREA G Elective	Second Semester Composition II See Core Curriculum, Area D, Lab Sciences. See Core Curriculum, Area D, Lab Sciences. Survey of World History I or Survey of World History II See Area F Courses Related to the Major. See Core Curriculum, Area G, Health/Phy.Ed	3 4 3 3 uc. 1-2 17-18
Sophomore Year AREA B Elective COMM 1110 POLS 1101 ANTH 1103 AREA F Elective AREA G Elective	First Semester See Core Curriculum, Area B. Public Speaking* American Government in World Perspective Introduction to Cultural Anthropology See Area F Courses Related to the Major. See Core Curriculum, Area G, Health/Phy.Ed	Sem. Hrs. 1-3 3 3 3 uc. 1-2 14-17
AREA B Elective COMM 1110 POLS 1101 ANTH 1103 AREA F Elective AREA G Elective AREA B Elective AREA C Literature AREA E Elective	See Core Curriculum, Area B. Public Speaking* American Government in World Perspective Introduction to Cultural Anthropology See Area F Courses Related to the Major. See Core Curriculum, Area G, Health/Phy.Ed Second Semester See Core Curriculum, Area B. See Core Curriculum, Area C. See Core Curriculum, Area E, Social Science	1-3 3 3 3 3 3 4 4-17 1-3 3 5.
AREA B Elective COMM 1110 POLS 1101 ANTH 1103 AREA F Elective AREA G Elective AREA B Elective AREA C Literature	See Core Curriculum, Area B. Public Speaking* American Government in World Perspective Introduction to Cultural Anthropology See Area F Courses Related to the Major. See Core Curriculum, Area G, Health/Phy.Ed Second Semester See Core Curriculum, Area B. See Core Curriculum, Area C.	1-3 3 3 3 3 3 4 4-17 1-3 3 3 5.

^{*}Oral Communication requirement may be met by completion of other communication courses. See Core Curriculum, Area B.

ART (0002) Humanities Division

RECOMMENDED COURSES FOR TRANSFER ASSOCIATE OF ARTS DEGREE PROGRAMS

ASSOCIATE OF ARTS DEGREE PROGRAMS			
Area A			
Ess	ential Skills - 9 Hours		
	ENGL 1101	English Composition I	3
	ENGL 1102	English Composition II	3
	MATH 1001 or	Quantitative Skills and Reasoning or or	
	MATH 1111	College Algebra or higher math	3
Area B		0 0	
Inst	itutional Options - 4 Ho	ırs	
	•	e recommended, but other Area B courses	
	are allowed.	c resemmended, but office 7 feet B codress	
	COMM 1000 or	Cultural Diversity in Communication or	
	COMM 1110 or	Public Speaking* or	
	COMM 1111	Issues in Argumentation and Advocacy	2-3
	PHIL 1101	,	2-3
A === C	PHIL I IUI	Critical Thinking	2
Area C		mts 0.11s.sms	
Hur	nanities And The Fine A		_
	Literature	See Core Curriculum, Area C.	3
		ecommended, but other Humanities/Fine	
	Arts courses are allowed	I. See Core Curriculum, Area C.	
	Foreign Language	Intermediate I or	
	2001	Higher Foreign Language	3
Area D			
Sci	ence, Mathematics, And	Technology - 11 Hours	
	Lab Science	See Core Curriculum, Area D, Lab Sciences.	8
	The following course is r	ecommended, but other Math/Technology courses	-
	are allowed.		
	MATH 1112	Trigonometry	3
Area E	100/(111 1112	riigonometry	Ü
	ial Science - 12 Hours		
300	POLS 1101	American Cayarament in World Daranactive	2
		American Government in World Perspective	3
	HIST 2111 or	U. S. History Through 1877 or	•
	HIST 2112	U. S. History After 1877	3
	HIST 1111 or	Survey of World History I	_
	HIST 1112	Survey of World History II	3
		ecommended, but other Social Science courses are	
	ANTH 1103	Introduction to Cultural Anthropology	3
Area F			
Cou	irses Related To The Ma	jor - 18 Hours	
	ART 1020	Design I	3
	ART 1030	Design II	3
	ART 2280	Art History I	3
	ART 2285	Art History II	3
	ART 1010 or	Drawing or	Ū
	ART 2130 or	Watercolor or	
	ART 2140 or	Ceramics I or	
	ART 2170 or		
		Web Page Design or	2
	ART 2180	Digital Photography	3
	ART 2111 or	Basic Photography or	
	ART 2120 or	Painting or	
	ART 2150 or	Computer Arts or	
	ART 2160	Visual Design	3

Area

Physical Education - (1 - 4 courses)**

4-8

One course per semester of full-time enrollment with a maximum of 4 courses

Two-Year Total

64-69

*Oral Communication requirement may be met by completion of other communication courses. See Core Curriculum, Area B.

**See AREA G of the Core Curriculum for fitness competency requirement.

*** A B.A. degree at some institutions in the University System of Georgia requires foreign language credit through the intermediate level. A B.S. degree at some institutions in the University System of Georgia requires foreign language through the first intermediate course.

****See Teacher Education (0014) for Secondary Education Art Majors.

ART (0002) Humanities Division RECOMMENDED COURSES FOR TRANSFER ASSOCIATE OF ARTS DEGREE PROGRAMS

Freshman Year ART 1020 ENGL 1101 MATH 1001 or MATH 1111 POLS 1101 AREA D Lab Science AREA G Elective	First Semester Design I Composition I Quantitative Skills and Reasoning or or College Algebra or higher math American Government in World Perspective See Core Curriculum, Area D, Lab Sciences. See Core Curriculum, Area G, Health/Phy.Ed	Sem. Hrs. 3 3 3 duc. 1-2 17-18
ART 1030 ENGL 1102 AREA D Lab Science HIST 2111 or HIST 2112 The following course is recom are allowed. MATH 1112	Second Semester Design II Composition II See Core Curriculum, Area D, Lab Sciences. U.S. History Through 1877 or U.S. History After 1877 mended, but other Area D Math/Technology of	3 3 4
AREA G Elective	See Core Curriculum, Health and Physical E	
Sophomore Year AREA C Literature HIST 1111 or HIST 1112 ART 2280	First Semester See Core Curriculum, Area C. Survey of World History I or Survey of World History II Art History I	Sem. Hrs. 3 3 3
Arts courses are allowed. See	Drawing or Watercolor or Ceramics I or Web Page Design or Digital Photography ommended, but other Area C Humanities/Fine Core Curriculum, Area C.	
Foreign Language 2001 AREA G Elective	Intermediate I or Higher Foreign Language See Core Curriculum, Area G, Health/Phy.Ec	3 duc. 1-2
ART 2285 ART 2111 or ART 2120 or ART 2150 or	Second Semester Art History II Basic Photography or Painting or Computer Arts or	16-17
ART 2160 The following course is recom PHIL 1101	Visual Design mended, but other Area B courses are allowe Critical Thinking ommended, but other Area B courses are allo Cultural Diversity in Communication or	2
are allowed. See Core Curric	Public Speaking* or Issues in Argumentation and Advocacy mended, but other Area E Social Science cou ulum, Area E, Social Science.	
ANTH 1103 AREA G Elective	Introduction to Cultural Anthropology See Core Curriculum, Area G, Health/Phy.Ec	3 duc. <u>1-2</u> 14-16

Two-Year Total

64-69

*Oral Communication requirement may be met by completion of other communication courses. See Core Curriculum, Area B.

GRAPHIC DESIGN (0574) Humanities Division RECOMMENDED COURSES FOR CERTIFICATE PROGRAM

The Graphic Design Certificate Program is structured to provide basic skills for immediate employment in the graphic design field. The Graphic Design Certificate requires a completion of 18 hours of study (six courses of 3 hours each.) Four of those six courses are in the existing Art Program. The students will be introduced to basic, introductory level skills in theses areas: drawing, two-dimensional design, digital design, photography, graphic design production, and web page design.

Fall Semester ART 1010 ART 1020 ART 2170	Drawing Design I Web Page Design	Sem. Hrs. 3 3 3 9
Spring Semester ART 2111 ART 2160 ART 2150	Basic Photography Visual Design Computer Art	3 3 3 9
	One Year Total	18

VIDEO TECHNIQUES AND APPLICATIONS CERTIFICATE (0569) Humanities Division RECOMMENDED COURSES FOR CERTIFICATE PROGRAM

The Video Techniques and Applications Certificate has been created to provide a working knowledge of the basics of the Videography and Digital Video Editing Field and to use that knowledge to immediately enter the workforce. The Video Techniques and Applications Certificate requires a completion of 18 hours of study (six courses of 3 credit hours each.) Two of these courses are in the Art Transfer Degree Program. This program includes basic and advanced digital video camera techniques, basic and advanced digital video editing techniques, computer art, two-dimensional design and portfolio preparation and review.

Fall Semester ART 1020 ART 2150 ART 2210	Design I Computer Art Video I	em. Hrs. 3 3 3 9
Spring Semester ART 2220 ART 2230 ART 2200	Video II Video Editing Prof. Practices, Portfolio Preparation & Review	em. Hrs. 3 3 3 9
	One-Year Total	18

VISUAL COMMUNICATION (0537) Humanities Division RECOMMENDED COURSES FOR CERTIFICATE PROGRAM

The Visual Communication Certificate is structured to provide basic skills for immediate employment in the Visual Communication field. The Visual Communication Certificate program is based on four courses in the Associate of Arts Art Program (Basic Photography, Computer Art, Design I, and Digital Photography,) with the addition of a course in Photographic Lighting Techniques and a course entitled Professional Practices, Portfolio Preparation and Review.

Fall Semester ART 2111 ART 2190 ART 1020	Basic Photography Photographic Lighting Techniques Design I	Sem. Hrs. 3 3 3 9
Spring Semester ART 2150 ART 2180 ART 2200	Computer Art Digital Photography Professional Practices, Portfolio Preparation	Sem. Hrs. 3 3
ANT 2200	and Review	<u>3</u> 9
	One-Year Total	18

BIOLOGY (0003) Science/Mathematics Division RECOMMENDED COURSES FOR TRANSFER ASSOCIATE OF SCIENCE DEGREE PROGRAMS

Area A			
Es	sential Skills - 9 hours		
	ENGL 1101	English Composition I	3
	ENGL 1102	English Composition II	3
	MATH 1113 or	Pre-Calculus or	3
	MATH 1112	Trigonometry	U
Area B	WATTITIE	riigonometry	
	stitutional Options - 4 ho	ure	
IIIE	See Core Curriculum, Ar		4
Area C	See Core Curriculum, Ar	ea D.	4
	manities/Fine Arts - 6 ho	NITO.	
пи	Literature Course	See Area C Core Curriculum, Humanities/Fine A	rts 3
		See Area C Core Curriculum, Humanilles/Fine Al	115 3
	The following course is f	ecommended, but other Area C courses	
	are allowed. See Core (
	COMM 1110	Public Speaking*	3
Area D			
	ience, Math and Technol	ogy - 11 hours	
Sci	ence Requirements		
	CHEM 1211K and	Principles of Chemistry I and	8
	CHEM 1212K	Principles of Chemistry II	
Mat	th/Technology Requiremer	nt	
	MATH 2205	Introduction to Statistics	3
Area E			
So	cial Science - 12 hours		
	HIST 1111 or	Survey of World History I or	
	HIST 1112	Survey of World History II	3
	HIST 2111 or	U.S. History Through 1877 or	-
	HIST 2112	U.S. History After 1877	3
	POLS 1101	American Government in World Perspective	3
	PSYC 1101	General Psychology	3
Area F	. 616 1161	Contract Cychology	Ū
	urses Related to the Maj	or - 18 hours	
	jor Requirements	or romours	
iviaj	BIOL 1107K and	Principles of Biology I and	8
	BIOL 1108K	Principles of Biology II	O
Mai	jor Electives	i iniciples of biology if	
iviaj		Dringinles of Organia Chemistry Land	0
	CHEM 2240K and	Principles of Organic Chemistry I and	8
	CHEM 2241K or	Principles of Organic Chemistry II or	
	PHYS 1111K and	Introductory Physics I and	
	PHYS 1112K or	Introductory Physics II or	
	PHYS 2211K and	Principles of Physics I and	
	PHYS 2212K	Principles of Physics II	
	SCIE 2000K or	Principles of Research Methodology or	
	SCIE 2001K	Principles of Scientific Instrumentation/Methods	2
 C			
Area G	reign Education (4. 4.		4.0
Phy	ysical Education – (1 – 4		<u>4-8</u>
	One course per semeste		

*Oral Communication requirement may be met by completion of other communication courses. See Core Curriculum, Area B.

^{**}See AREA G of the Core Curriculum for fitness competency requirement.

^{***}Secondary Education Biology Majors – see Teacher Education (0014) Secondary Education.

Biology (0003) Science/Mathematics Division RECOMMENDED COURSES FOR TRANSFER ASSOCIATE OF SCIENCE DEGREE PROGRAMS

Freshman Year ENGL 1101 CHEM 1211K MATH 1113 POLS 1101 AREA B Elective AREA G Elective	English Composition I Principles of Chemistry I Pre-Calculus American Government in World Perspective See Core Curriculum, Area B. See Core Curriculum, Area G, Health/Phy.Edu	3 4 3 3 4 4 3 4 4 4 4 4 4 4 4 4 4 4 4 4
ENGL 1102 CHEM 1212K MATH 2205 HIST 1111 or HIST 1112 AREA B Elective AREA G Elective	Second Semester English Composition II Principles of Chemistry II Introduction to Statistics Survey of World History I or Survey of World History II See Core Curriculum, Area B. See Core Curriculum, Area G, Health/Phy.Edu	3 4 3 3 2 uc. 1-2 16-17
CHEM 2240K CHEM 2241K	Principles of Organic Chemistry I Principles of Organic Chemistry II	4 4 8
Sophomore Year BIOL 1107K PHYS 1111K COMM 1110 HIST 2111 or HIST 2112 SCIE 2000K or SCIE 2001K AREA G Elective	First Semester Principles of Biology I Introductory Physics I Public Speaking* U.S. History Through 1877 or U.S. History After 1877 Principles of Research Methodology or Principles of Scientific Instrumentation/Method See Core Curriculum, Area G, Health/Phy.Edu	
BIOL 1108K PHYS 1112K AREA C Literature PSYC 1101 AREA G Elective	Second Semester Principles of Biology II Introductory Physics II See Core Curriculum, Area C, Hum/Fine Arts. General Psychology See Core Curriculum, Area G, Health/Phy.Edu	3
	Two-Year Total	72-76

 $^{^{\}star}\text{Oral}$ Communication requirement may be met by completion of other communication courses. See Core Curriculum, Area B.

BIOMEDICAL TECHNOLOGY (0055) Science/Mathematics Division RECOMMENDED COURSES FOR TRANSFER ASSOCIATE OF SCIENCE DEGREE PROGRAMS

Area	1 A		
	Essential Skills - 9 hours		
	ENGL 1101	English Composition I	3
	ENGL 1102	English Composition II	3
	MATH 1112 or	Trigonometry or	3
	MATH 1113	Pre-Calculus	Ŭ
Area	В		
	Institutional Options - 4 ho		
	See Core Curriculum, A	rea B	4
Area	ı C Humanities/Fine Arts - 6 h		
	Literature Course	See Area C Core Curriculum, Humanities/Fine Art	s 3
		recommended, but other Area C courses	5 3
	are allowed. See Core		
	COMM 1110	Public Speaking*	3
Area		Fublic Speaking	3
Alea	Science, Math and Techno	slogy - 11 hours	
	Science Requirements	nogy 11 hours	
	BIOL 1107K and	Principles of Biology I	8
	BIOL 1108K	Principles of Biology II	_
	Math/Technology Requireme		
	MATH 2205	Introduction to Statistics	3
			_
Area	ιE		
	Social Science - 12 hours		
	HIST 1111 or	Survey of World History I or	
	HIST 1112	Survey of World History II	3
	HIST 2111 or	U.S. History Through 1877 or	
	HIST 2112	U.S. History After 1877	3
	POLS 1101	American Government in World Perspective	3
	Elective	See Core Curriculum, Area E, Social Sciences.	3
Area	ı F		
	Courses Related to the Ma	ijor - 18 hours	
	Major Requirements		
	CHEM 1211K	Principles of Chemistry I	4
	BIOL 2115K	Microbiology	4
	BIOM 2101K	Introduction to Biotechnology	4
	BIOM 2100K	Molecular Genetics	4
	BIOM 2204K	Cellular/Molecular Biology	4
	BIOM 2205K	Introduction to Biochemistry	4
	BIOM 2202K	Applications in Biotechnology	4
Area	. C		
AIC	Physical Education – (1 – 4	l courses)**	
	PHED 1161	Fitness I	2
	-		
		Two-Year Total	64-70

^{*}Oral Communication requirement may be met by completion of other communication courses. See Core Curriculum, Area B.

^{**}See AREA G of the Core Curriculum for fitness competency requirement.

BIOMEDICAL TECHNOLOGY (0055) Science/Mathematics Division RECOMMENDED COURSES FOR TRANSFER ASSOCIATE OF SCIENCE DEGREE PROGRAMS

Freshman Year ENGL 1101 HIST 1111 or HIST 1112 PHED 1161 BIOL 1107K MATH 1112 or MATH 1113 ENGL 1102 MATH 2205 BIOL 1108K BIOM 2101K AREA B Elective	Fall Semester English Composition I Survey of World History I or Survey of World History II Fitness I Principles of Biology I Trigonometry or Pre-Calculus Spring Semester English Composition II Introduction to Statistics Principles of Biology II Introduction to Biotechnology See Core Curriculum, Area B.	Sem. Hrs. 3 3 2 4 15 3 3 4 4 2
BIOL 2115K BIOM 2100K Sophomore Year AREA C Literature HIST 2111 or	Summer Semester Microbiology Molecular Genetics Fall Semester See Core Curriculum, Area C, Hum/Fine Arts U.S. History Through 1877 or	2 16 4 4 8 Sem. Hrs.
HIST 21110 CHEM 1211K COMM 1110* BIOM 2204K	U.S. History After 1877 Principles of Chemistry I Public Speaking* Cellular/Molecular Biology	3 4 3 4 17
POLS 1101 BIOM 2202K BIOM 2205K AREA B Elective AREA E Elective	Second Semester American Government Applications in Biotechnology Introduction to Biochemistry See Core Curriculum, Area B. See Core Curriculum, Area E, Social Science	3 4 4 2 2 es. <u>3</u>
	Two-Year Total	72

 $^{^{\}star}\text{Oral}$ Communication requirement may be met by completion of other communication courses. See Core Curriculum, Area B.

BUSINESS ADMINISTRATION (0004) Business Division

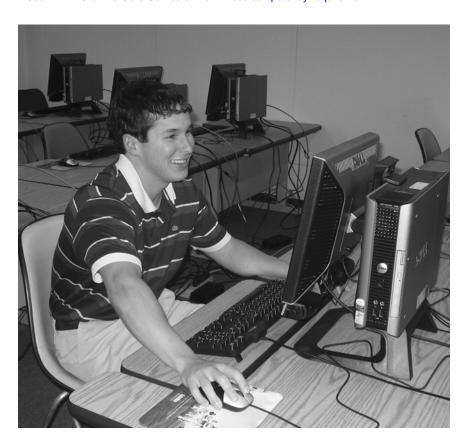
RECOMMENDED COURSES FOR TRANSFER ASSOCIATE OF SCIENCE DEGREE PROGRAMS

This degree program is also available as an online degree program. See the description of the online program of study at http://online.darton.edu/degrees

Area A			
Ess	ential Skills - 9 Hours		
	ENGL 1101	English Composition I	3
	ENGL 1102	English Composition II	3
		ecommended, but other Area A courses	_
	are allowed.	300	
	MATH 1111	College Algebra	3
Area B	140/4111 11111	College / ligebla	O
	itutional Options - 4 Ho	ire	
11131	See Core Curriculum, Ai		4
Area C	See Core Curricularii, Al	ea D	-
	nanities And The Fine A	rte - 6 Houre	
пui	Literature Course		to.
	Literature Course	See Core Curriculum, Area C, Humanities/Fine Art	is. 3
	The fellowing comments of	and the state of t	3
		ecommended but other Area C courses	
	are allowed. See Core (_
	COMM 1110	Public Speaking*	3
Area D			
Sci	ence, Mathematics, And		
		re recommended, but other Area D courses	
	are allowed.		
	PHSC 1011K	Introduction to Physical Science I	4
	PHSC 1012K	Introduction to Physical Science II	4
	MATH 1145	Survey of Calculus	3
Area E		•	
Soc	ial Science - 12 Hours		
	HIST 1111 or	Survey of World History I or	
	HIST 1112	Survey of World History II	3
	HIST 2111 or	U. S. History Through 1877 or	
	HIST 2112	U.S. History After 1877	3
	POLS 1101	American Government in World Perspective	3
		ecommended, but other Area E courses	_
		Curriculum, Area E, Social Science.	
	PSYC 1101	General Psychology	3
Area F	. 616 1161	Contrart dyonology	Ŭ
	rses Related To The Ma	ior - 18 Hours	
000	ACCT 2101	Principles of Accounting I	3
	ACCT 2101 ACCT 2102	Principles of Accounting I	3
	CISM 2201	Fundamentals of Computer Applications	3
	ECON 2105	Principles of Macroeconomics	3
			3
0-4	ECON 2106	Principles of Microeconomics	3
Opt	ional Elective (3 hours) fro		_
	BUSA 1105 or	Introduction to Business or	3
	BUSA 2105 or	Communicating in the Business Environment or	3
	BUSA 2106	The Environment of Business	3
Area G		New	
Phy	sical Education – (1 – 4		4-8
	One course per semeste	er of full-time enrollment	

with a maximum of 4 courses

*Oral Communication requirement may be met by completion of other communication courses. See Core Curriculum, Area B.
**See AREA G of the Core Curriculum for fitness competency requirement.



BUSINESS ADMINISTRATION (0004) Business Division

RECOMMENDED COURSES FOR TRANSFER ASSOCIATE OF SCIENCE DEGREE PROGRAMS

This degree program is also available as an online degree program. See the description of the online program of study at http://online.darton.edu/degrees

Freshman Year ENGL 1101 CISM 2201 MATH 1111 PHSC 1012K POLS 1101 AREA G Elective	First Semester English Composition I Fundamentals of Computer Applications College Algebra Introduction to Physical Science II American Government in World Perspective See Core Curriculum, Area G, Health/Phy.Ed	Sem. Hrs. 3 3 4 4 3 uc. 1-2 17-18
ENGL 1102 MATH 1145 HIST 1111 or HIST 1112 PHSC 1011K AREA F Elective AREA G Elective	Second Semester English Composition II Survey of Calculus Survey of World History I or Survey of World History II Introduction to Physical Science I See Area F Courses Related to the Major. See Core Curriculum, Area G, Health/Phy.Ed	3 3 4 3 uc. 1-2 17-18
Sophomore Year	First Semester	Sem. Hrs.
Sophomore Year ACCT 2101 COMM 1110	First Semester Principles of Accounting I Public Speaking*	3
ACCT 2101 COMM 1110 ECON 2105	Principles of Accounting I Public Speaking* Principles of Macroeconomics	3
ACCT 2101 COMM 1110 ECON 2105 AREA C Literature	Principles of Accounting I Public Speaking* Principles of Macroeconomics See Core Curriculum, Area C.	3
ACCT 2101 COMM 1110 ECON 2105	Principles of Accounting I Public Speaking* Principles of Macroeconomics See Core Curriculum, Area C. See Core Curriculum, Area B.	3 3 3 3 2
ACCT 2101 COMM 1110 ECON 2105 AREA C Literature AREA B Elective	Principles of Accounting I Public Speaking* Principles of Macroeconomics See Core Curriculum, Area C. See Core Curriculum, Area B. See Core Curriculum, Area G, Health/Phy.Ed	3 3 3 3 2
ACCT 2101 COMM 1110 ECON 2105 AREA C Literature AREA B Elective AREA G Elective	Principles of Accounting I Public Speaking* Principles of Macroeconomics See Core Curriculum, Area C. See Core Curriculum, Area B. See Core Curriculum, Area G, Health/Phy.Ed Second Semester	3 3 3 3 2 uc. 1-2 15-16
ACCT 2101 COMM 1110 ECON 2105 AREA C Literature AREA B Elective AREA G Elective	Principles of Accounting I Public Speaking* Principles of Macroeconomics See Core Curriculum, Area C. See Core Curriculum, Area B. See Core Curriculum, Area G, Health/Phy.Ed Second Semester Principles of Accounting II	3 3 3 3 2 uc. <u>1-2</u> 15-16
ACCT 2101 COMM 1110 ECON 2105 AREA C Literature AREA B Elective AREA G Elective ACCT 2102 ECON 2106 HIST 2111 or	Principles of Accounting I Public Speaking* Principles of Macroeconomics See Core Curriculum, Area C. See Core Curriculum, Area B. See Core Curriculum, Area G, Health/Phy.Ed Second Semester Principles of Accounting II Principles of Microeconomics U.S. History Through 1877 or	3 3 3 3 2 uc. 1-2 15-16
ACCT 2101 COMM 1110 ECON 2105 AREA C Literature AREA B Elective AREA G Elective ACCT 2102 ECON 2106 HIST 2111 or HIST 2112	Principles of Accounting I Public Speaking* Principles of Macroeconomics See Core Curriculum, Area C. See Core Curriculum, Area B. See Core Curriculum, Area G, Health/Phy.Ed Second Semester Principles of Accounting II Principles of Microeconomics U.S. History Through 1877 or U.S. History After 1877	3 3 3 3 3 2 uc. <u>1-2</u> 15-16
ACCT 2101 COMM 1110 ECON 2105 AREA C Literature AREA B Elective AREA G Elective ACCT 2102 ECON 2106 HIST 2111 or HIST 2112 PSYC 1101	Principles of Accounting I Public Speaking* Principles of Macroeconomics See Core Curriculum, Area C. See Core Curriculum, Area B. See Core Curriculum, Area G, Health/Phy.Ed Second Semester Principles of Accounting II Principles of Microeconomics U.S. History Through 1877 or U.S. History After 1877 General Psychology	3 3 3 3 2 uc. <u>1-2</u> 15-16
ACCT 2101 COMM 1110 ECON 2105 AREA C Literature AREA B Elective AREA G Elective ACCT 2102 ECON 2106 HIST 2111 or HIST 2112	Principles of Accounting I Public Speaking* Principles of Macroeconomics See Core Curriculum, Area C. See Core Curriculum, Area B. See Core Curriculum, Area G, Health/Phy.Ed Second Semester Principles of Accounting II Principles of Microeconomics U.S. History Through 1877 or U.S. History After 1877	3 3 3 3 3 2 uc. <u>1-2</u> 15-16

^{*}Oral Communication requirement may be met by completion of other communication courses. See Core Curriculum, Area B.

ACCOUNTING (0358) Business Division RECOMMENDED COURSES FOR CAREER ASSOCIATE OF APPLIED SCIENCE DEGREE PROGRAMS

The Associate Degree Program in Accounting is designed to prepare the student for work in profit and non-profit institutions. The student will develop accounting skills transferable to commercial or service industries. All ACCT, BUSA, and ECON final grades must be C or better to transfer.

Freshman Year ACCT 2101 BUSA 1105 CISM 2201 ENGL 1101 MATH 1101	First Semester Principles of Accounting I Introduction to Business Fundamentals of Computer Applications English Composition I Introduction to Mathematical Modeling or higher math	Sem. Hrs. 3 3 3 3 3 15
ACCT 2102 COMM 1110 ECON 2105 POLS 1101 Electives	Second Semester Principles of Accounting II Public Speaking* Principles of Macroeconomics American Government in World Perspective ACCT/BUSA/COPR/ECON	15 3 3 3 3 3 15
Sophomore Year ACCT 2211	First Semester Intermediate Accounting	Sem. Hrs.
ACCT 2211 ACCT 2220	Income Tax Procedures	3 3 3
BUSA 2105	Communicating in the Business Environment	3
HIST 2111 or	U.S. History Through 1877 or	0
HIST 2112 MATH 2205	U.S. History After 1877 Introduction to Statistics	3
WATTI 2200	introduction to Statistics	<u>3</u> 15
	Second Semester	
ACCT 2205	Microcomputers in Accounting	3 3
BUSA 2106 BUSA 2220 or	The Environment of Business Human Relations or	3
PSYC 1101	General Psychology	3
COPR 2225	Advanced Spreadsheet Applications	3
Electives	ACCT/BUSA/COPR/ECON	3 3 <u>3</u> 15
Physical Education	n – (fitness competency requirement)**	2
	Two-Year Total	62

^{*}Oral Communication requirement may be met by completion of other communication courses. See Core Curriculum, Area B

^{**}See AREA G of the Core Curriculum for fitness competency requirement.

ACCOUNTING (0561) Business Division RECOMMENDED COURSES FOR CERTIFICATE PROGRAM

The student will learn the basic principles of accounting. The student will also learn how to effectively use the computer. Those persons who hold two- or four-year degrees in a non-accounting related field are invited to consider this certificate.

BUSA 1005	Summer Semester Business Mathematics or higher	<u>3</u> 3
ACCT 2101 ACCT 2220 CISM 2201 ENGL 1101	Fall Semester Principles of Accounting I Income Tax Procedures Fundamentals of Computer Applications English Composition I	Sem. Hrs. 3 3 3 3 12
ACCT 2102 BUSA 2106 BUSA 2105 COPR 2225 Elective	Spring Semester Principles of Accounting II The Environment of Business Communicating in the Business Environment Advanced Spreadsheet Applications ACCT/BUSA/COPR/ECON	3 3 3 3 <u>3</u> 15
	One-Year Total	30

SMALL BUSINESS MANAGEMENT (0587) Business Division RECOMMENDED COURSES FOR CERTIFICATE PROGRAM

This certificate is designed to provide basic knowledge and hands-on skills to those students interested in starting their own business.

BUSA 1121 CISM 2201 OCEX 2290	Summer Semester Small Business Management Fundamentals of Computer Applications Occupational Experience	Sem. Hrs. 3 3 3 9 9
ACCT 2125 BUSA 2255 OCEX 2290	Fall Semester Bookkeeping for Small Businesses Personal Selling Occupational Experience	Sem. Hrs. 3 3 <u>3</u> 9
	Total	18

BUSINESS EDUCATION (0005) Business Division RECOMMENDED COURSES FOR TRANSFER ASSOCIATE OF SCIENCE DEGREE PROGRAMS

Area A			
Ess	ential Skills - 9 Hours		
	ENGL 1101	English Composition I	3
	ENGL 1102	English Composition II	3
	The following course is re	ecommended but other Area A courses	
	are allowed.		
	MATH 1111	College Algebra	3
Area B		3	
Inst	itutional Options - 4 Hou	ırs	
	See Core Curriculum, Ar		4
Area C	,		
Hun	nanities And The Fine A	rts - 6 Hours	
	Literature Course	See Core Curriculum, Area C, Humanities/Fine Arts.	
		•	3
	The following course is re	ecommended, but other Area C courses	
	are allowed. See Core C		
	COMM 1110	Public Speaking*	3
Area D		1 0	
Scie	ence, Mathematics, And	Technology - 11 Hours	
	The following courses ar	e recommended, but other Area D courses	
	are allowed.		
	PHSC 1011K	Introduction to Physical Science I	4
	PHSC 1012K	Introduction to Physical Science II	4
	Mathematics/	See Area D Mathematics/Technology courses.	
	Technology		3
Area E			
Soc	ial Science - 12 Hours		
	HIST 1111 or	Survey of World History I or	
	HIST 1112	Survey of World History II	3
	HIST 2111 or	U. S. History Through 1877 or	
	HIST 2112	U.S. History After 1877	3
	POLS 1101	American Government in World Perspective	3
		ecommended, but other Area E courses	
		Curriculum, Area E, Social Science.	
	PSYC 1101	General Psychology	3
Area F			
Cou	rses Related To The Ma		
	CISM 2201	Fundamentals of Computer Applications	3
	EDUC 2110	Investigating Critical and Contemporary	_
	D0V0 0045	Issues in Education	3
0 - 1	PSYC 2215	Human Growth and Development	3
Opti	onal Electives (9 hours) fr		_
	ACCT 2101	Principles of Accounting I	3
	ACCT 2102	Principles of Accounting II	3
	BUSA 1105	Introduction to Business	3
	BUSA 2105	Communicating in the Business Environment	3 3 3 3 3 3 3
	BUSA 2106 ECON 2105	The Environment of Business Principles of Macroeconomics	3
	ECON 2105 ECON 2106	Principles of Microeconomics Principles of Microeconomics	3
Area G	LOON 2100	i indiples of Microecondinics	3
	sical Education - (1 - 4	COURSES)**	4-8
1 119	One course per semeste		-1 -C
	with a maximum of 4 cou		

^{*}Oral Communication requirement may be met by completion of other communication courses. See Core Curriculum, Area B.
**See AREA G of the Core Curriculum for fitness competency requirement.

BUSINESS EDUCATION (0005) Business Division RECOMMENDED COURSES FOR TRANSFER ASSOCIATE OF SCIENCE DEGREE PROGRAMS

Freshman Year ENGL 1101 CISM 2201 MATH 1111 PHSC 1012K POLS 1101 AREA G Elective ENGL 1102 HIST 1111 or HIST 1112	First Semester English Composition I Fundamentals of Computer Applications College Algebra Introduction to Physical Science II American Government in World Perspective See Core Curriculum, Area G, Health/Phy.Ed Second Semester English Composition II Survey of World History I or Survey of World History II	Sem. Hrs. 3 3 4 3 4 3 uc. 1-2 17-18 3 3
PHSC 1011K AREA D Elective AREA G Elective	Introduction to Physical Science I See Core Curriculum, Area D, Lab Sciences. See Core Curriculum, Area G, Health/Phy.Ed	4 3
Sophomore Year	First Semester	Sem. Hrs.
COMM 1110 EDUC 2110	Public Speaking* Investigating Critical and Contemporary	3
AREA C Literature PSYC 1101 AREA B Elective AREA G Elective	Issues in Education See Core Curriculum, Area C. General Psychology See Core Curriculum, Area B. See Core Curriculum, Area G, Health/Phy.Ed	3 3 2 uc. <u>1-2</u> 15-16
LUCT 0444 or	Second Semester	
HIST 2111 or HIST 2112	U.S. History Through 1877 or U.S. History After 1877	3
PSYC 2215 AREA B Elective	Human Growth and Development See Core Curriculum, Area B.	3 3 2
AREA G Elective Elect 9 hours from the following:	See Core Curriculum, Area G, Health/Phy.Ed	
ACCT 2101 ACCT 2102	Principles of Accounting I Principles of Accounting II	
BUSA 1105	Introduction to Business	
BUSA 2105 BUSA 2106	Communicating in the Business Environment The Environment of Business	
ECON 2105	Principles of Macroeconomics	
ECON 2106	Principles of Microeconomics	18-19
	Two-Year Total	64-68

^{*}Oral Communication requirement may be met by completion of other communication courses. See Core Curriculum, Area B.

BUSINESS COMPUTER SYSTEMS (0357) Business Division RECOMMENDED COURSES FOR CAREER ASSOCIATE OF APPLIED SCIENCE DEGREE PROGRAMS

This Associate Degree program will allow the student to pursue a career in the fast-growing and exciting world of computers. All ACCT, BUSA, and ECON final grades must be C or better to transfer.

Microsoft Certified Application Specialist

The designation, Microsoft Certified Application Specialist, tells an employer that you have successfully studied for and passed national certification exams indicating a proficiency in the use of one or more software packages.

Darton College offers courses that may prepare you to take certification exams in the following areas:

MCAS Exam	Darton courses needed for preparation
Microsoft Word	COPR 2341
	COPR 2342
Microsoft Excel	CISM 2201
	COPR 2225
Microsoft Access	CISM 2201, COPR 2226
Microsoft PowerPoint	CISM 2201, COPR 2226

The student interested in pursuing Microsoft Certified Application Specialist, certification must notify his/her instructor in the above courses at the beginning of the semester. The student should expect to purchase an additional textbook and perform additional assignments, as directed by the instructor, in order to properly prepare for the exam. While every effort is made to assist the student in preparing for the exams, no guarantee is made that he/she will pass the exams.

BUSINESS COMPUTER SPECIALIST OPTION (1357) Business Division RECOMMENDED COURSES FOR CAREER ASSOCIATE OF APPLIED SCIENCE DEGREE PROGRAMS

This program is designed to meet the needs of automated offices. The graduate will be able to develop business applications on a microcomputer using software packages, such as Word, Excel, Access, and PowerPoint, to provide technical computer support, and to be familiar with networking concepts.

Sem. Hrs.

First Semester

Freshman Year

BUED 1111 BUSA 1105 CISM 2201 ENGL 1101 MATH 1111	Beginning Document Processing Introduction to Business Fundamentals of Computer Applications English Composition I College Algebra or higher level math	3 3 3 3 3 3 15
COPR 2341 BUSA 2105 COPR 2220 or CSCI 1300 or	Second Semester Microsoft Word Applications Communicating in the Business Environment Visual Basic for Business Applications or Introduction to Computer Science or	3
CSCI 1150 COPR 2225 POLS 1101	Computer Programming in Visual Basic Advanced Spreadsheet Applications American Government in World Perspective	3 3 3 15
Sophomore Year ACCT 2101 COPR 2321 COPR 2250	First Semester Principles of Accounting I Basic Principles of Network Security Computer Systems Support I	Sem. Hrs. 3
HIST 2111 or HIST 2112 COPR 2235	U.S. History Through 1877 or U.S. History After 1877 Database Management Systems	3 <u>3</u> 15
ACCT 2102 BUSA 2220 or	Second Semester Principles of Accounting II Human Relations or	3
PSYC 1101 COMM 1110	General Psychology Public Speaking*	3 3
COPR 2244 COPR 2251	Introduction to Networking Computer System Support II	4 <u>3</u> 16
	Physical Education – (fitness competency requirement)*	* 1-2
	Two-Year Total	62-63

^{*}Oral Communication requirement may be met by completion of other communication courses. See Core Curriculum, Area B

^{**}See AREA G of the Core Curriculum for fitness competency requirement.

BUSINESS COMPUTER SYSTEMS (0576) Business Division RECOMMENDED COURSES FOR CERTIFICATE PROGRAM

The Business Computer Systems Certificate Program is designed to equip the student with computer skills necessary to function and grow in today's highly technical business environment. The program offers flexibility by allowing the selection of courses to meet the needs of the individual.

GENERAL BUSINESS COMPUTER SYSTEMS OPTION (2576)

ACCT 2101 MATH 1111 CISM 2201 ENGL 1101 *Elective	First Semester Principles of Accounting I College Algebra or higher level math Fundamentals of Computer Applications English Composition I	Sem. Hrs. 3 3 3 3 3 15
BUSA 2105 or ENGL 1102 *Electives	Second Semester Communicating in the Business Environment or English Composition II	3 <u>12</u> 15
	One-Year Total	30

^{*}Any COPR-prefix course may be used with approval by the Business Computer Systems faculty advisor.

CISCO SUPPORT SPECIALIST OPTION (4357) Business Division RECOMMENDED COURSES FOR CAREER ASSOCIATE OF APPLIED SCIENCE DEGREE PROGRAMS

The Cisco Support specialist degree option is designed to prepare students to become entry level network technicians. Areas of emphasis will be on network concepts of LAN's and WAN's and on the installing, configuring and maintaining of Cisco routers and switches in a small to medium business environment.

Students will participate in the Cisco Networking Academy Program. The Cisco Networking Academy Program is a comprehensive e-learning program that provides students with the Internet technology skills essential in a global economy. The Networking Academy delivers Web-based content, online assessment, student performance tracking, hands-on labs, instructor training and support, and preparation for industry standard certifications.

Upon completion of the appropriate courses, the student may elect to take the Cisco Certified Network Associate (CCNA) examination. The CCNA is the first of two certifications (the second – Cisco Certified Networking Professional – CCNP) on the path toward CCIE status, Cisco Certified Internetwork Expert, the industry's most respected networking certification. Other certifications can be pursued upon completion of the appropriate courses, including A+, Network+, Security+ and MCP.

While every effort is made to assist the student in preparing for the CCNA examination, no guarantee is made that students will pass the examination.

The prerequisite for this program is a "C" or better in CISM 2201, Fundamentals of Computer Applications. Exceptions are made for student with excellent computer skills or experience and are made by the director of the program as needed.

The courses in the program are subject to change in order to be responsive to the changing information technology demands of the workforce.

Freshman Year COPR 2250	Summer Semester Computer Systems Support I	Sem. Hrs.
COPR 2251	Computer Systems Support II	<u>3</u>
	Fall Semester	
ENGL 1101	English Composition I	3
COPR 2281	Cisco I: Networking for Home and Small Businesse (A-term)	s 5
COPR 2282	Cisco II: Working at a Small-to-Medium Business o (B-term)	r ISP <u>5</u> 13
	Spring Semester	
BUSA 2105 or	Communicating in the Business Environment or	
ENGL 1102	English Composition II	3
COPR 2283	Cisco III: Introducing Routing and Switching in the	
	Enterprise (A-term)	5
COPR 2284	Cisco IV: Designing and Supporting Computer	
	Networks (B-term)	<u>_5</u> 13
		13

Sophomore Year	Summer Semester	Sem. Hrs.
COPR 2291	Fundamentals of UNIX	3
COPR 2321	Basic Principles of Network Security	3
	·	6
	Fall Semester	
MATH 1111	College Algebra or higher math	3
COPR 2301	Maintaining a Windows Network Infrastructure (A-ter	m) 5
COPR 2302	Planning and Maintaining a Windows	
	Network Infrastructure (B-term)	5
	,	13
	Spring Semester	
CSCI 1300 or	Introduction to Computer Science or	
CSCI 1301	Computer Science I	3-4
HIST 2111 or	U.S. History Through 1877 or	
HIST 2112	U.S. History After 1877	3
COMM 1110	Public Speaking*	3
POLS 1101	American Government in World Perspective	3
	·	12-13
Physical Education	- (fitness competency requirement)***	2
	Two-Year Total	65-66

^{**} Oral Communication requirement may be met by completion of other communication courses. See Core Curriculum, Area B

^{***}See AREA G of the Core Curriculum for fitness competency requirement.

NETWORK SUPPORT ENGINEER OPTION (5357) Business Division RECOMMENDED COURSES FOR CAREER ASSOCIATE OF APPLIED SCIENCE DEGREE PROGRAMS

The Network Support Engineer degree program is designed to prepare students to become support experts in the fields of hardware/software support and network administration. Areas of emphasis will be network concepts such as Local Area Network (LAN) and Wide Area Network (WAN) administration from the Microsoft and Cisco points of view.

Upon completion of the appropriate courses, the student may elect to take the Microsoft Certified IT Professional (MCITP) exams and/or the Cisco Certified Network Associate exam. Other certifications can be pursued upon completion of the appropriate courses, including A+, Network+, MCP, Security + and MCITP. While every effort is made to assist the student in preparing for these professional exams, no guarantee is made that he/she will successfully pass them.

The student must demonstrate a competency in basic computer concepts. This can be accomplished through attaining the A+ professional certification or earning a minimum grade of "C" in COPR 2250. Exceptions are made for students with exceptional computer experience and are made by the director of the program as needed.

The courses in the program are subject to change in order to be responsive to the changing information technology demands of the workforce.

Freshman Year	Fall Semester	Sem. Hrs.
ENGL 1101	English Composition I	3
MATH 1111	College Algebra or	
	higher math	3
COPR 2281	Cisco I: Networking for Home and Small Businesse (A-term)	es 5
COPR 2282	Cisco II: Working at a Small-to-Medium Business	ū
	Or ISP (B-term)	_5
	,	16
	Spring Semester	Sem. Hrs.
COPR 2283	Cisco III: Introducing Routing and Switching in the	_
	Enterprise (A-term)	5
COPR 2284	Cisco IV: Designing and Supporting Computer	_
COMM 4440	Networks (B-term)	5 3
COMM 1110	Public Speaking**	3
BUSA 2105 or	Communicating in the Business Environment or	2
ENGL 1102	English Composition II	<u>3</u> 16
		10
Sophomore Year	Summer Semester	Sem. Hrs.
COPR 2291	Fundamentals of UNIX	3
COPR 2321	Basic Principles of Network Security	_3
	•	6

	Fall Semester Sem.	. Hrs.
COPR 2303	Planning and Maintaining Windows Active Directory (B-Term)	5
COPR 2246	Managing and Maintaining a Windows Server (A-term)	5
POLS 1101	American Government in World Perspective	<u>3</u> 13
		13
	- I	. Hrs.
COPR 2301	Maintaining a Windows Network Infrastructure (A-term)	5
COPR 2330	Implementing & Maintaining SQL Server (B-term)	5
HIST 2111 o		_
HIST 2112	U.S. History after 1877	<u>3</u> 13
		13
Physical Education (fitr	ness competency requirement) ***	2
	Two Year Total Hours	66

 $^{^{\}star\star}\textsc{Oral}$ Communication requirement may be met by completion of other communication courses. See Core Curriculum, Area B

^{***}See AREA G of the Core Curriculum for fitness competency requirement.

CISCO SUPPORT SPECIALIST OPTION (6576) Business Division RECOMMENDED COURSES FOR CERTIFICATE PROGRAM

The Cisco Support Specialist certificate option is designed to prepare students to become entry level network technicians. Areas of emphasis will be on network concepts of LAN's and WAN's and on the installing, configuring and maintaining of Cisco routers and switches in a small to medium business environment.

Students will participate in the Cisco Networking Academy Program. The Cisco Networking Academy Program is a comprehensive e-learning program that provides students with the Internet technology skills essential in a global economy. The Networking Academy delivers Web-based content, online assessment, student performance tracking, hands-on labs, instructor training and support, and preparation for industry standard certifications.

Upon completion of the appropriate courses, the student may elect to take the Cisco Certified Network Associate (CCNA) examination. The CCNA is the first of two certifications (the second – Cisco Certified Networking Professional – CCNP) on the path toward CCIE status, Cisco Certified Internetwork Expert, the industry's most respected networking certification. Other certifications can be pursued upon completion of the appropriate courses, includeing A+, Network+, Linux +, and Security+.

While every effort is made to assist the student in preparing for the CCNA examination, no guarantee is made that students will pass the examination.

The prerequisite for this program is a "C" or better in CISM 2201 Fundamentals of Computer Applications.

Exceptions are made for students with excellent computer skills or experience and are made by the director of the program as needed.

The courses in the program are subject to change in order to be responsive to the changing Information Technology demands of the workforce.

Students who complete this certificate may elect to take the necessary courses to earn an Associate in Applied Science degree in the Cisco Support Specialist Option (4357).

COPR 2281 COPR 2250	Cisco I: Networking for Home and Small Businesses Computer Systems Support I	Hrs. 5 <u>3</u> 8
COPR 2282 COPR 2251	Cisco II: Working at a Small-to-Medium Business or ISP Computer Systems Support II	5 <u>3</u> 8
COPR 2283 COPR 2284	Cisco III: Introducing Routing and Switching in the Enterprise Cisco IV: Designing and Supporting Computer Networks	5 <u>5</u> 10
COPR 2291 COPR 2321	Fundamentals of UNIX Basic Principles of Network Security	3 3 6
	One-Year Total	32

WEB DESIGN AND ADMINISTRATION OPTION (7576) Business Division RECOMMENDED COURSES FOR CERTIFICATE PROGRAM

The Web Design and Administration Certificate Program has been created to provide students with a foundation of Web site creation and administration. Emphasis is placed on the administration and functionality of various technologies used in today's dynamic Internet infrastructure. Those persons who hold a two- or four-year degree in a non-information science related field are invited to consider this program.

The courses in the program are subject to change in order to be responsive to the changing information technology demands of the workforce.

COPR 2311 COPR 2244	Fall Semester Website Architecture and Development I Introduction to Networking	Sem. Hrs. 3 <u>4</u> 7
COPR 2312 COPR 2235	Spring Semester Website Architecture and Development II Database Management Systems	Sem. Hrs. 3 3 6
COPR 2313 COPR 2314	Summer Semester Web Server Administration Dynamic Website Development with Cold Fusion	Sem. Hrs. 3 3 6
	Total Hours	19

COMPUTER SYSTEMS SECURITY CERTIFICATE OPTION (0532) Business Division RECOMMENDED COURSES FOR CERTIFICATE PROGRAM

This program is designed to provide students with the skills necessary to (1) understand security threats to computer hardware, software, and networks, (2) protect against those threats and (3) diagnose, document and (when possible) repair problems caused by security breaches.

Upon completion of the appropriate courses, the student may elect to take the A+, Network+, Security+ and/or Certified Forensics Computer Examiner (CFCE) certification exams. While every effort is made to assist the student in preparing for these exams, no guarantee is made that he or she will successfully pass them.

The courses in the program are subject to change in order to be responsive to the changing information technology demands of the workforce.

		Sem. Hrs.
COPR 2250	Computer Systems Support I*	3
COPR 2251	Computer Systems Support II*	3
COPR 2244	Introduction to Networking*	4
COPR 2321	Basic Principles of Network Security	3
COPR 2334	Computer Forensics	<u>3</u>
	TOTAL	16

^{*}Other courses may be substituted with permission of Business Computer Systems advisor.

INFORMATION SYSTEMS 2 + 2 OPTION * (2357) Business Division RECOMMENDED COURSES FOR CAREER ASSOCIATE OF APPLIED SCIENCE DEGREE PROGRAMS

This program is designed to provide the graduate significant technical skills that may result in employment opportunities before pursuing the four-year degree. The curriculum will transfer in total to Georgia Southwestern State University in Americus, Georgia, providing the first two years toward a Bachelor of Science in Computer Information Systems.

Freshman Year BUSA 2106 CISM 2201 ENGL 1101 MATH 1001 or MATH 1111 or	First Semester The Environment of Business Fundamentals of Computer Applications English Composition I Quantitative Skills and Reasoning or College Algebra or	Sem. Hrs. 3 3 3 3
POLS 1101	higher math American Government in World Perspective	3 <u>3</u> 15
0000 0044	Second Semester	
COPR 2244 COPR 2250	Introduction to Networking Computer Systems Support I	4
CSCI 1300	Introduction to Computer Science	3 3 3
ENGL 1102	English Composition II	3
HIST 2111 or	U.S. History Through 1877 or	_
HIST 2112	U. S. History After 1877	<u>3</u> 16
Canhamara Vaar	First Semester	Com Uro
Sophomore Year ACCT 2101	Principles of Accounting I	Sem. Hrs.
COMM 1110	Public Speaking**	
COPR 2235	Database Management Systems	3 3
CSCI 1301	Computer Science I	4
ENGL 2111 or	World Literature I or	_
ENGL 2112	World Literature II	<u>3</u> 16
	Second Semester	
ACCT 2102	Principles of Accounting II	3
COPR 2321	Basic Principles of Network Security	3 3
COPR 2291 CSCI 1302	Fundamentals of UNIX Computer Science II	3 4
MATH 2205	Introduction to Statistics	3
	initiation to didinate	16
Physical Education –	(fitness competency requirement)***	2
	Two-Year Total	65

^{*2 + 2} with Georgia Southwestern State University.

^{**}Oral Communication requirement may be met by completion of other communication courses. See Core Curriculum, Area B

^{***}See AREA G of the Core Curriculum for fitness competency requirement.

NETWORK SUPPORT SPECIALIST OPTION (3357) Business Division RECOMMENDED COURSES FOR CAREER ASSOCIATE OF APPLIED SCIENCE DEGREE PROGRAMS

The Network Support Specialist degree program is designed to prepare students to become support specialists in both a hardware/software and network environment. Areas of emphasis will be network concepts such as Local Area Network (LAN) and Wide Area Network (WAN) administration.

Upon completion of the MCITP appropriate courses, the student may elect to take the Microsoft Certified Systems IT Professional exams*. Other certifications attainable upon completion of the appropriate courses would include A+, Network+, Security+, and MCP. While every effort is made to assist the student in preparing for the MCITP exams, no guarantee is made that he/she will pass the exams.

The student must earn a minimum grade of "C" in CISM 2201 before enrolling in any networking courses. Exceptions are made for students with exceptional computer experience and are made by the director of the program as needed. Applicants having passed any of the MCITP exams prior to taking the equivalent course may be exempted from that course if approved by the director of the program.

The courses in the program are subject to change in order to be responsive to the changing information technology demands of the workforce.

Freshman Year CISM 2201	Summer Semester Fundamentals of Computer Applications	Sem. Hrs. <u>3</u>
COPR 2250 COPR 2251 ENGL 1101 MATH 1111	Fall Semester Computer Systems Support I Computer Systems Support II English Composition I College Algebra	3 3 3 <u>3</u> 12
COPR 2244 CSCI 1300 or	Spring Semester Introduction to Networking Introduction to Computer Science or	4
CSCI 1301 COMM 1110 BUSA 2105 or	Computer Science I Public Speaking* Communicating in the Business Environment or	3-4
ENGL 1102	English Composition II	<u>3</u> 13-14
Sophomore Year COPR 2291 COPR 2321	Summer Semester Fundamentals of UNIX Basic Principles of Network Security Fall Semester	Sem. Hrs. 3 3 6
COPR 2246 COPR 2303 POLS 1101	Managing and Maintaining a Windows Server (A-Term) Planning and Maintaining Windows Active Directory (B-Tamerican Government in World Perspective	5 (Ferm) 5 3 13

Spring Semester

COPR 2301	Maintaining a Windows Network Infrastructure (A-term)	5
COPR 2330	Implementing and Maintaining SQL Server (B-term)	5
HIST 2111 or	U.S. History Through 1877 or	
HIST 2112	U.S. History After 1877	<u>3</u> 13
Physical Education –	(fitness competency requirement)***	_2

Two-Year Total 62-63

*The following courses cover the material for the listed Microsoft exam(s):

COPR 2246 - 70-646

COPR 2301 - 70-642

COPR 2303 - 70-640

COPR 2330 - 70-431

^{**}Oral Communication requirement may be met by completion of other communication courses. See Core Curriculum, Area B

^{***}See AREA G of the Core Curriculum for fitness competency requirement.

NETWORK SUPPORT SPECIALIST OPTION (1576) Business Division RECOMMENDED COURSES FOR CERTIFICATE PROGRAM

The Network Support Specialist Certificate option is designed to prepare students to become support specialists in both a hardware/software and network environment. Areas of emphasis will be on network concepts such as Local Area Network (LAN) and Wide Area Network (WAN) support.

Upon completion of the appropriate courses, the student may elect to take the Microsoft Certified IT Professional (MCITP) exams*. Other certifications attainable upon completion of the appropriate courses would include A+, Network+, Security+, and MCP. While every effort is made to assist the student in preparing for the MCITP exams, no guarantee is made that he/she will successfully pass the exams.

The student must earn a minimum grade of "C" in CISM 2201 before enrolling in any networking courses. Exceptions are made for students with exceptional computer experience and are made by the director of the program as needed. Applicants having passed any of the MCITP exams prior to taking the equal course may be exempted from that course if approved by the director of the program.

The courses in the program are subject to change in order to be responsive to the changing Information Technology demands of the workforce.

Students who complete this certificate may elect to take the necessary courses to earn an Associate in Applied Science degree in the Network Support Specialist Option (3357).

COPR 2250 COPR 2251	Summer Semester Computer Systems Support I Computer Systems Support II	Sem. I	3 3 6
COPR 2244 COPR 2246 COPR 2303	Fall Semester Introduction to Networking Managing and Maintaining a Windows Server (A-term) Planning and Maintaining Windows Active Directory (B-	Term)	4 5 <u>5</u> 14
COPR 2301 COPR 2330	Spring Semester Maintaining a Windows Network Infrastructure (A-term) Implementing and Maintaining SQL Server (B-term)		5 <u>5</u> 10
COPR 2291 COPR 2321	Summer Semester Fundamentals of UNIX Basic Principles of Network Security		3 3 6
	One-Year Total		36

*The following courses cover the material for the listed Microsoft exam(s):

COPR 2246 - 70-646 COPR 2301 - 70-642 COPR 2303 - 70-640

COPR 2330 - 70-431

A+ SPECIALIST OPTION (4576) Business Division RECOMMENDED COURSES FOR CERTIFICATE PROGRAM

This option is designed for those individuals who wish to prepare for the CompTIA A+ exam. A+ Certification is an internationally recognized validation of the knowledge required of an entry level computer service technician.

Prerequisite for this program is a "C" or better in CISM 2201, Fundamentals of Computer Applications, or permission of the director of the program.

To obtain the Darton College A+ Specialist Option Certificate, the 30 - 32 hours listed below are required.

COPR 2244 COPR 2250 * Electives	Fall Semester Introduction to Networking Computer Systems Support I	Sem. Hrs. 4 3 8 -9 15-16
COPR 2245 COPR 2251 *Electives	Spring Semester Configuring Windows Client Operating Systems Computer Systems Support II	Sem. Hrs. 5 3 <u>7 -8</u> 15 -16
	One-Year Total	30-32

^{*}Any COPR-prefix course may be used with approval by the Business Computer Systems faculty advisor.

TECHNOLOGY OPTION (5576) Business Division RECOMMENDED COURSES FOR CERTIFICATE PROGRAM

This option allows students to enroll in an array of courses in technology and in the content area of choice. This option provides needed flexibility without requiring an option to be created every time there is a specific need. For example, a certificate could be readily customized to meet the needs of an educator who desires courses in the content area of instruction and in technology. The certificate could be utilized just as easily by a student desiring to enroll in art with a technology emphasis. Fifteen hours of the program must be taken in technology related courses, and **no more than nine hours can be taken in core curriculum courses.**

*Electives CISM 2201	First Semester Any technology course Fundamentals of Computer Applications	Sem.Hrs. 12 <u>3</u> 15
*Electives	Second Semester Electives approved by advisor	Sem. Hrs. <u>15</u>
	One-Year Total	30

^{*}Electives must be approved by Business Computer Systems faculty advisor.

INSTRUCTIONAL TECHNOLOGY CERTIFICATE (0595) Business Division RECOMMENDED COURSES FOR CERTIFICATE PROGRAM

This certificate is designed to provide in-service instructors with the knowledge and hands on practice needed to succeed in developing and facilitating online courses. The certificate will cover the theory behind instructional technology and design, the selection and evaluation of web-based tools and applications for instruction, and the creation and implementation of robust online courses.

COPR 1122	First Semester Introduction to Instructional Technology	Sem.Hrs. 3 3
COPR 1123 COPR 1124	Second Semester Web-based Tools and Applications for Education Online Communication Technologies	Sem. Hrs. 3 <u>3</u> 6
COPR 1125 COPR 1114	Third Semester Instructional Design of the Online Course Facilitating Learning Online	Sem. Hrs. 3 2/5
	One-Year Total	14