Version

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	3,	
Institutional Options - 4 ho	urs	
See Core Curriculum. Ar		4
Area C		
Humanities/Fine Arts - 6 ho	ours	
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		
Science, Math and Technol	ogy - 11 hours	
Science Requirements	-9,	
CHEM 1211K and	Principles of Chemistry I and	8
CHEM 1212K	Principles of Chemistry II	_
Math/Technology Requiremen		
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	Timelples of Macroccontinues	3
Courses Related to the Maj	or - 18 hours	
Major Requirements	or - 10 flours	
BIOL 1107K and	Principles of Biology I and	8
BIOL 1108K	Principles of Biology II	U
Major Electives	Timolpies of Biology II	
CHEM 2240K	Principles of Organic Chemistry I	4
PHYS 1111K and	Introductory Physics I and	
PHYS 1112K	Introductory Physics I and	
PHYS 2211K and	Principles of Physics I and	8
PHYS 2211K and PHYS 2212K	Principles of Physics I	0
Area G	i imorpida di Friyalda II	
Physical Education – (1 – 4	courses)**	4-8
One course per semeste		+-0
with a maximum of 4 cou		
with a maximum of 4 ooc		

Two-Year Total

66-70

^{*}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.

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

Freshman Year ENGL 1101	English Composition I	Sem. Hrs.
CHEM 1211K	Principles of Chemistry I Pre-Calculus	4
MATH 1113 POLS 1101	American Government in World Perspective	3
AREA B Elective	See Core Curriculum, Area B.	2
AREA G Elective	See Core Curriculum, Area G, Health/Phy.Edu	
AREA & Elective	See Sole Sulfiction, Alex S, Fleathir Hy. Eac	16-17
	Second Semester	
ENGL 1102	English Composition II	3
CHEM 1212K	Principles of Chemistry II	4
CSCI 1300	Introduction to Computer Science	3
HIST 1111 or	Survey of World History I or	
HIST 1112	Survey of World History II	3
AREA B Elective	See Core Curriculum, Area B.	2
AREA G Elective	See Core Curriculum, Area G, Health/Phy.Edu	
	0	16-17
CHEM 2240K	Summer Semester	4
CHEW 2240K	Principles of Organic Chemistry I	4
Sophomore Year	First Semester	Sem. Hrs.
BIOL 1107K	Principles of Biology I	4
PHYS 1111K	Introductory Physics I	4
COMM 1110	Public Speaking*	3
HIST 2111 or	U.S. History Through 1877 or	
HIST 2112	U.S. History After 1877	3
AREA G Elective	See Core Curriculum, Area G, Health/Phy.Edu	ıc. <u>1-2</u>
		15-16
	Second Semester	
BIOL 1108K	Principles of Biology II	4
PHYS 1112K	Introductory Physics II	4
AREA C Literature	See Core Curriculum, Area C.	3
ECON 2105 AREA G Elective	Principles of Macroeconomics	
AREA G Elective	See Core Curriculum, Area G, Health/Phy.Edu	ic. <u>1-2</u> 15-16
		10-10
	Two-Year Total	66-70

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

Version

ANTHROPOLOGY (0093) Social Science Division RECOMMENDED COURSES FOR TRANSFER

RECOMMENDED COURSES FOR TRANSFER ASSOCIATE OF SCIENCE DEGREE PROGRAMS

Area A	ential Skills - 9 Hours		
LSS	ENGL 1101	English Composition I	3
	ENGL 1102	English Composition II	3
	MATH 1101 or MATH 1111	Quantitative Skills and Reasoning or College Algebra or higher math	3
	Witti	College / ligesta of riigher main	Ü
Area B Inst	itutional Options - 4 Hou See Core Curriculum, Ar		4
Area C			
	nanities And The Fine A	rts - 6 Hours	
	Literature course	See Core Curriculum, Area C, Humanities/Fine Arts. ecommended, but other Area C courses	3
	COMM 1110	Public Speaking*	3
Area D			
	ence, Mathematics, And	Technology - 11 Hours	
	Lab Science	See Core Curriculum, Area D, Lab Sciences.	8
	Mathematics/	See Core Curriculum, Area D, Mathematics/	_
	Technology	Technology courses.	3
Area E	ial Caianaa 10 Haura		
300	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 courses	s 3
Area F			
Cou	rses Related To The Ma		_
Onti	ANTH 1103	Introduction to Cultural Anthropology	3
Opti	onal Electives (15 hours) BIOL 1107K	Principles of Biology I	4
	BIOL 1107K	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 HIST 2111** or	Survey of World History II U.S. History Through 1877 or	3 3
	HIST 2111 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.	em. Hrs. 3 4 3 4 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.Edu	3 4 3 3 3 3 2. <u>1-2</u> 17-18
Sophomore Year	First Semester S	em. Hrs.
AREA B Elective COMM 1110 POLS 1101 ANTH 1103 AREA F Elective AREA G 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.Edu	1-3 3 3 3 3
COMM 1110 POLS 1101 ANTH 1103 AREA F 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.	1-3 3 3 3 3 3 3 2. <u>1-2</u> 14-17
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.Edu Second Semester See Core Curriculum, Area B. See Core Curriculum, Area C.	1-3 3 3 3 3 3 5. <u>1-2</u> 14-17 1-3 3 3 3

^{*}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

A ==== A	7,0000,711	2 01 71110 22011221 110 0117 11110	
Area A	antial Chilla O Harma		
ESS	sential Skills - 9 Hours	For Pale Occurred Tax I	_
	ENGL 1101	English Composition I	3
	ENGL 1102	English Composition II	3
	MATH 1001 or	Quantitative Skills and Reasoning or or	
A D	MATH 1111	College Algebra or higher math	3
Area B			
Ins	titutional Options - 4 Ho		
	<u> </u>	re recommended, but other Area B courses	
	are allowed.	Cultural Diversity in Communication on	
	COMM 1000 or COMM 1110 or	Cultural Diversity in Communication or Public Speaking* or	
	COMM 1111	Issues in Argumentation and Advocacy	2-3
	PHIL 1101	Critical Thinking	2-3
Area C	FINE TIOT	Childar Thiriking	
	manities And The Fine A	rte - 6 Hours	
Hui	Literature	See Core Curriculum, Area C.	3
		recommended, but other Humanities/Fine	3
		d. See Core Curriculum, Area C.	
	Foreign Language	Intermediate I or	
	2001	Higher Foreign Language	3
Area D	2001	riighei Poreigh Language	3
	ence, Mathematics, And	Technology - 11 Hours	
001	Lab Science	See Core Curriculum, Area D, Lab Sciences.	8
		recommended, but other Math/Technology courses	O
	are allowed.	recommended, but other watti recombing courses	
	MATH 1112	Trigonometry	3
Area E	101/11/11/12	riigonomotiy	U
	cial Science - 12 Hours		
	POLS 1101	American Government in World Perspective	3
	HIST 2111 or	U. S. History Through 1877 or	Ū
	HIST 2112	U. S. History After 1877	3
	HIST 1111 or	Survey of World History I	•
	HIST 1112	Survey of World History II	3
	The following course is	recommended, but other Social Science courses	
	are allowed.		
	ANTH 1103	Introduction to Cultural Anthropology	3
Area F			
Co	urses Related To The Ma	ajor - 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	
	ART 2130 or	Watercolor or	
	ART 2140 or	Ceramics I or	
	ART 2170 or	Web Page Design or	
	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)** One course per semester of full-time 6

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.

5 Version

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 ART 1030 ENGL 1102 AREA D Lab Science HIST 2111 or	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 Second Semester Design II Composition II See Core Curriculum, Area D, Lab Sciences. U.S. History Through 1877 or	Sem. Hrs. 3 3 3 4 uc. 1-2 17-18
HIST 2112	U.S. History After 1877 mended, but other Area D Math/Technology of Trigonometry	ourses 3
AREA G Elective	See Core Curriculum, Health and Physical Ec	duc. <u>1-2</u> 17-18
Sophomore Year AREA C Literature HIST 1111 or	First Semester See Core Curriculum, Area C. Survey of World History I or	Sem. Hrs. 3 3
HIST 1112 ART 2280 ART 1010 or ART 2130 or ART 2140 or	Survey of World History II Art History I Drawing or Watercolor or Ceramics I or	3
Arts courses are allowed. See Foreign Language	Web Page Design or Digital Photography ommended, but other Area C Humanities/Fine core Curriculum, Area C. Intermediate I or Higher Foreign Language	3
2001 AREA G Elective	See Core Curriculum, Area G, Health/Phy.Ed	uc. <u>1-2</u> 16-17
ART 2285 ART 2111 or ART 2120 or ART 2150 or	Second Semester Art History II Basic Photography or Painting or Computer Arts or	3
ART 2160 The following course is recom PHIL 1101	Visual Design mended, but other Area B courses are allowed Critical Thinking pmmended, but other Area B courses are allow Cultural Diversity in Communication or	2
COMM 1110 or COMM 1111	Public Speaking* or Issues in Argumentation and Advocacy mended, but other Area E Social Science cour	2-3 rses
ANTH 1103 AREA G Elective	Introduction to Cultural Anthropology See Core Curriculum, Area G, Health/Phy.Ed	uc. 1-2 14-16
	Two-Year Total 78	64-69

 $^{\star}\text{Oral}$ 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.

	Sem. Hrs.
Drawing	3
	3
	<u>3</u> 9
Basic Photography	3
Visual Design	3
Computer Art	3
•	<u>3</u> 9
One Year Total	18
	Computer Art

VIDEO TECHNIQUES AND APPLICATIONS CERTIFICATE (569) 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.

Ser	n. Hrs.
	3
	3
•	3
	<u>3</u> 9
Ser	n. Hrs.
Video II	3
Video Editing	3
Prof. Practices, Portfolio Preparation & Review	3
,	<u>3</u> 9
One-Year Total	18
	Design I Computer Art Video I Ser Video II Video Editing Prof. Practices, Portfolio Preparation & Review

leb Version

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
2200	and Review	<u>3</u> 9
	One-Year Total	18

Version

BIOLOGICAL SCIENCE (0003) 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		
See Core Curriculum, A	rea B.	4
Area C		
Humanities/Fine Arts - 6 h		_
Literature Course	See Area C Core Curriculum, Humanities/Fine Arts	s 3
	recommended, but other Area C courses	
are allowed. See Core		
COMM 1110	Public Speaking*	3
Area D	Laure 44 harris	
Science, Math and Techno	logy - 11 nours	
Science Requirements	Drive simboo of Observicture Lorent	
CHEM 1211K and	Principles of Chemistry I and	8
CHEM 1212K	Principles of Chemistry II	
Math/Technology Requireme MATH 2205	Introduction to Statistics	3
WATH 2205	introduction to Statistics	3
Area E		
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	3
HIST 2112	U.S. History After 1877	3
POLS 1101	American Government in World Perspective	3
PSYC 1101	General Psychology	3
Area F	General rejencegy	Ū
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	1 37	
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
Area G		
Physical Education – (1 – 4	courses)**	4-8
	er of full-time enrollment	
with a maximum of 4 co	urses	

Two-Year Total

*Oral Communication requirement may be met by completion of other communication 83

64-68

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.

BIOLOGICAL SCIENCE (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 ENGL 1102 CHEM 1212K MATH 2205 HIST 1111 or HIST 1112 AREA B Elective AREA G Elective	First Semester 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 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.Educ Summer Semester	16-17 3 4 3 3 2
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/Methods See Core Curriculum, Area G, Health/Phy.Educ	
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.Educ	4 4 3 3 . <u>1-2</u> 15-16
	Two-Year Total	72-76

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

Veb Version

BIOMEDICAL TECHNOLOGY (0055) 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 1112 or	Trigonometry or	3
MATH 1113	Pre-Calculus	
Area B		
Institutional Options - 4 ho		
See Core Curriculum, Ai	rea B	4
Area C		
Humanities/Fine Arts - 6 ho		
Literature Course	See Area C Core Curriculum, Humanities/Fine Ar	ts 3
	ecommended, but other Area C courses	
are allowed. See Core (_
COMM 1110	Public Speaking*	3
Area D	441	
Science, Math and Technol	ogy - 11 nours	
Science Requirements	Detected as of Distance I	•
BIOL 1107K and	Principles of Biology I	8
BIOL 1108K	Principles of Biology II	
Math/Technology Requirement MATH 2205	Introduction to Statistics	3
WATH 2205	introduction to Statistics	3
Area E		
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	Ü
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 F		_
Courses Related to the Ma	ior - 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 G		
Physical Education – (1 – 4	courses)**	
PHED 1161	Fitness I	2
	Two Voca Total	C4 70
	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	Fall Semester English Composition I	Sem. Hrs.
HIST 1111 or HIST 1112 PHED 1161 BIOL 1107K MATH 1112 or	Survey of World History I or Survey of World History II Fitness I Principles of Biology I Trigonometry or	3 2 4
MATH 1113	Pre-Calculus	<u>3</u> 15
ENGL 1102 MATH 2205 BIOL 1108K BIOM 2101K AREA B Elective	Spring Semester English Composition II Introduction to Statistics Principles of Biology II Introduction to Biotechnology See Core Curriculum, Area B.	3 3 4 4 <u>2</u> 16
BIOL 2115K BIOM 2100K	Summer Semester Microbiology Molecular Genetics	4 4 8
Sophomore Year AREA C Literature HIST 2111 or HIST 2112 CHEM 1211K COMM 1110* BIOM 2204K	Fall Semester See Core Curriculum, Area C, Hum/Fine Arts U.S. History Through 1877 or U.S. History After 1877 Principles of Chemistry I Public Speaking* Cellular/Molecular Biology	Sem. Hrs. 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
	Two-Year Total	72

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

Version

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.		
	MATH 1111	College Algebra	3
Area B			
Inst	itutional Options - 4 Hou		
A O	See Core Curriculum, Ar	ea B	4
Area C	itica Aud Tha Fina A	mta Cillarina	
Hun	nanities And The Fine A		_
	Literature Course	See Core Curriculum, Area C, Humanities/Fine Arts	s. 3
	The following course is r	ecommended but other Area C courses	3
	are allowed. See Core (Curriculum Area C	
	COMM 1110	Public Speaking*	3
	COMM 1110	Tubile opeaking	J
Area D			
	ence, Mathematics, And	Technology - 11 Hours	
-		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
	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.	_
A F	PSYC 1101	General Psychology	3
Area F	wasa Balatad Ta Tha Ma	in 40 Hauma	
Cot	rses Related To The Ma ACCT 2101	Principles of Accounting I	2
	ACCT 2101 ACCT 2102	Principles of Accounting I	3
	CISM 2201	Fundamentals of Computer Applications	ა 2
	ECON 2105	Principles of Macroeconomics	3 3 3 3
	ECON 2103 ECON 2106	Principles of Microeconomics	3
Onti	ional Elective (3 hours) fro		3
Ори	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			J
	sical Education – (1 – 4	courses)**	4-8
,	One course per semeste		
	with a maximum of 4 cou		

Two-Year Total 64-68

*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.Edu	em. Hrs. 3 3 4 4 5: 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.Edu	3 3 4 3 2. <u>1-2</u> 17-18
•		
Sophomore Year ACCT 2101 COMM 1110 ECON 2105 AREA C Literature AREA B Elective AREA G Elective	First Semester 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.Edu	em. Hrs. 3 3 3 3 2 2 2. <u>1-2</u> 15-16
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.	3 3 3 3 2 2 15-16 3 3 3 3 2 2 2 2 2 3 3 2 2 3 3 3 3 2 3

^{*}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 WEEKEND PROGRAM

ENGL 1101 POLS 1101 PHED 1161	Fall Semester English Composition I American Government in World Perspective Fitness	Sem. Hrs. 3 3 2 8
ENGL 1102 HIST 2111 or HIST 2112 PHIL 1101	Spring Semester English Composition II U.S. History through 1877 or U.S. History after 1877 Critical Thinking	3 3 2 8
ENGL HIST 1111 or HIST 1112	Summer Semester Literature Survey of World History I or Survey of World History II	3 <u>3</u> 6
MATH 1111 BUSA 1100 CISM 2201	Fall Semester College Algebra, or higher math Financial Planning/Investment Management Fundamentals of Computer Applications	3 2 3 8
PSYC 1101 ECON 2105	Spring Semester General Psychology Principles of Macroeconomics	3 3 6
ECON 2106 BUSA 1105	Summer Semester Principles of Microeconomics Introduction to Business	3 3 6
PHSC 1011K ACCT 2101 COMM 1110	Fall Semester Introduction to Physical Science I Principles of Accounting I Public Speaking (ONLINE)	4 3 3 10
BIOL 1110K MATH 2205 ACCT 2102	Spring Semester Introduction to Environmental Biology Introduction to Statistics Principles of Accounting II	4 3 3 10
	Total	62

BUSINESS ADMINISTRATION (0004) Business Division

RECOMMENDED COURSES FOR TRANSFER ASSOCIATE OF SCIENCE DEGREE PROGRAMS FAST-TRACK SCHEDULE

B-Term HIST 2111 or	Summer Semester U.S. History Through 1877 or	Sem. Hrs.
HIST 2112 BUSA 1105 PHED 1161	U.S. History After 1877 Introduction to Business Fitness	3 3 <u>2</u> 8
A-Term	Fall Semester	8
ENGL 1101 POLS 1101	English Composition I American Government in World Perspective	3 _ <u>3</u> _ 6
B-Term BUSA 1100	Financial Planning and Investment Management	2
ENGL 1102 PHED 1142	English Composition II Swing Dancing	3 1 6
Regular Term		
MATH 1111 ACCT 2101	College Algebra (or higher math) Principles of Accounting I	3
CISM 2201	Fundamentals of Computer Applications	<u>3</u>
A-Term PHIL 1101	Spring Semester	
COMM 1110	Critical Thinking Public Speaking	2
B-Term		5
ENGL 2112 PHED 1126	World Literature II Tennis	3 1
Regular Term		4
MATH 1145	Survey of Calculus	3 3
ACCT 2102 PSYC 1101	Principles of Accounting II General Psychology	3
HIST 1111 or HIST 1112	Survey of World History I or Survey of World History II	3
	carrey of vrena finately in	<u>3</u> 12
A-Term	Summer Semester	
PHSC 1011K ECON 2105	Introduction to Physical Science I Principles of Macroeconomics	4 <u>3</u> 7
B-Term		7
PHSC 1012K ECON 2106	Introduction to Physical Science II	4
ECON 2100	Principles of Microeconomics	<u>3</u>
	Total	64

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.

Darton College has a 2 + 2 program with Georgia Southwestern State University which allows a student to transfer this degree and begin with a third year class standing.

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	3 3 3 3 3 15
Sophomore Year ACCT 2211 ACCT 2220 BUSA 2105 HIST 2111 or HIST 2112 MATH 2205	First Semester Intermediate Accounting Income Tax Procedures Communicating in the Business Environment U.S. History Through 1877 or U.S. History After 1877 Introduction to Statistics	Sem. Hrs. 3 3 3 3 3
ACCT 2205 BUSA 2106 BUSA 2220 or PSYC 1101 COPR 2225 Electives	Second Semester Microcomputers in Accounting The Environment of Business Human Relations or General Psychology Advanced Spreadsheet Applications ACCT/BUSA/COPR/ECON	3 3 3 3 3 15
Physical Education	- (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.

eb Version

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 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

eb Version

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 Fundamental of Computer Applications Occupational Experience	Sem. Hrs. 3 3 3 9
ACCT 2125 BUSA 2255 OCEX 2290	Fall Semester Bookkeeping for Small Businesses Personal Selling Occupational Experience	Sem. Hrs. 3 3 3 <u>3</u> 9
	Total	18

Version

BUSINESS EDUCATION (0005) Business 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
The following course is	recommended but other Area A courses	
are allowed.		
MATH 1111	College Algebra	3
Area B		
Institutional Options - 4 Ho	urs	
See Core Curriculum, A	rea B	4
Area C		
Humanities And The Fine A	Arts - 6 Hours	
Literature Course	See Core Curriculum, Area C, Humanities/Fine A	Arts.
		3
The following course is	recommended, but other Area C courses	
are allowed. See Core	Curriculum, Area C.	
COMM 1110	Public Speaking*	3
Area D	, ,	
Science, Mathematics, And	Technology - 11 Hours	
The following courses a	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
Mathematics/	See Area D Mathematics/Technology courses.	
Technology	٠,	3
Area E		
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
The following course is	recommended, but other Area E courses	
are allowed. See Core	Curriculum, Area E, Social Science.	
PSYC 1101	General Psychology	3
Area F	, 0,	
Courses Related To The Ma	ajor - 18 Hours	
CISM 2201	Fundamentals of Computer Applications	3
EDUC 2110	Investigating Critical and Contemporary	
	Issues in Education	3
PSYC 2215	Human Growth and Development	3
Optional Electives (9 hours) f	rom the following:	_
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
BUSA 2106	The Environment of Business	3
ECON 2105	Principles of Macroeconomics	3
ECON 2106	Principles of Microeconomics	3
Area G	•	_
Physical Education – (1 – 4	courses)**	4-8
One course per semest	er of full-time enrollment	
with a maximum of 4 co		
22 3 30		
	Two-Year Total	64-68

*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	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.Edu Second Semester	Sem. Hrs. 3 3 4 4 3 1c. 1-2 17-18
ENGL 1102 HIST 1111 or HIST 1112 PHSC 1011K AREA D Elective AREA G Elective	English Composition II Survey of World History I or Survey of World History II Introduction to Physical Science I See Core Curriculum, Area D, Lab Sciences. See Core Curriculum, Area G, Health/Phy.Edu	3 4 3 1c. <u>1-2</u> 14-15
Sophomore Year COMM 1110	Public Speaking*	Sem. Hrs. 3
EDUC 2110 AREA C Literature PSYC 1101 AREA B Elective AREA G Elective	Investigating Critical and Contemporary Issues in Education See Core Curriculum, Area C. General Psychology See Core Curriculum, Area B. See Core Curriculum, Area G, Health/Phy.Edu	3 3 3 2 c. <u>1-2</u> 15-16
HIST 2111 or HIST 2112 PSYC 2215 AREA B Elective AREA G Elective Elect 9 hours from the following: ACCT 2101 ACCT 2102 BUSA 1105 BUSA 2105 BUSA 2106 ECON 2105 ECON 2106	Second Semester U.S. History Through 1877 or U.S. History After 1877 Human Growth and Development See Core Curriculum, Area B. See Core Curriculum, Area G, Health/Phy.Edu Principles of Accounting I Principles of Accounting II Introduction to Business Communicating in the Business Environment The Environment of Business Principles of Macroeconomics Principles of Microeconomics	3 3 2 1-2 9
	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.

99

Freshman Year

BUED 1111

BUSA 1105

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. Through skills learned in systems analysis, business communication, and human relations, he/she will become a contributing member of the business team.

Beginning Document Processing

Introduction to Business

First Semester

CISM 2201 ENGL 1101	Fundamentals of Computer Applications English Composition I	3
MATH 1111	College Algebra or higher level math	3 3 <u>3</u> 15
COPR 2341	Second Semester Microsoft Word Applications	3
BUSA 2105 COPR 2220 or CSCI 1300 or	Communicating in the Business Environment Visual Basic for Business Applications or Introduction to Computer Science or	3
CSCI 1150	Computer Programming in Visual Basic	3
COPR 2225 POLS 1101	Advanced Spreadsheet Applications	3
POLS TIOT	American Government in World Perspective	3 3 <u>3</u> 15
Sophomore Year	First Semester	Sem. Hrs.
ACCT 2101	Principles of Accounting I	3
COPR 2230 COPR 2250	Systems Analysis Computer Systems Support I	3
HIST 2111 or	U.S. History Through 1877 or	· ·
HIST 2112	U. S. History After 1877	3
COPR 2235	Database Management Systems	<u>3</u> 15
ACCT 2102	Second Semester Principles of Accounting II	3
BUSA 2220 or	Human Relations or	
PSYC 1101	General Psychology	3
COMM 1110 COPR 2244	Public Speaking* Introduction to Networking	3 3 4
COPR 2251	Computer System Support II	3 16
	Physical Education – (fitness competency requirement)**	* <u>1-2</u>
	Two-Year Total	62-63

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

Sem. Hrs.

3

3

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

Veb Version

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 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 quarantee 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	Summer Semester	Sem. Hrs.
COPR 2250	Computer Systems Support I	3
COPR 2251	Computer Systems Support II	<u>3</u>
	Fall Semester	
ENGL 1101	English Composition I	3
COPR 2281	Cisco I: Networking Basics (A-term)	5
COPR 2282	Cisco II: Routers and Routing Basics (B-term)	<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: Switching Basics and	
	Intermediate Routing (A-term)	5
COPR 2284	Cisco IV: WAN Technologies (B-term)	_5
		13

Sophomore Year COPR 2291 COPR 2321	Summer Semester Fundamentals of UNIX Basic Principles of Network Security	Sem. Hrs. 3 3 6
MATH 1111 COPR 2301 COPR 2302	Fall Semester College Algebra or higher math Networking I (A-term) Networking II (B-term)	3 5 <u>5</u> 13
CSCI 1300 or CSCI 1301 HIST 2111 or HIST 2112 COMM 1110 POLS 1101	Spring Semester Introduction to Computer Science or Computer Science I U.S. History Through 1877 or U.S. History After 1877 Public Speaking* American Government in World Perspective	3-4 3 3 3 12-13
Physical Education	- (fitness competency requirement)*** Two-Year Total	<u>2</u> 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 Systems Administrator (MCSA) exams and/or the Cisco Certified Network Associate exam. Other certifications can be pursued upon completion of the appropriate courses, including A+, Network+, MCP and MCSE. 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 Basics (A-term)	5
COPR 2282	Cisco II: Routers and Routing Basics (B-term)	<u> 5 </u>
	•	16
	Spring Semester	Sem. Hrs.
COPR 2283	Cisco III: Switching Basics and Intermediate Routin	ng
	(A-term)	5
COPR 2284	Cisco IV WAN Technologies (B-term)	5
COMM 1110	Public Speaking**	3
BUSA 2105 or	Communicating in the Business Environment or	
ENGL 1102	English Composition II	<u>3</u> 16
		16
Sophomore Year	Summer Semester	Sem. Hrs.
COPR 2291	Fundamentals of UNIX	3
COPR 2321	Basic Principles of Network Security	<u>3</u>
		6
	Fall Semester	Sem. Hrs.
COPR 2245	Networking I (A-term)	5
COPR 2246	Networking II (B-term)	5
POLS 1101	American Government in World Perspective	<u>3</u> 13
	•	13

		Spring Semester	Sem. Hrs.
	COPR 2301	Networking III (A-term)	5
	COPR 2328	Enterprise Messaging (B-term)	5
	HIST 2111 or	U.S. History to 1877 or	
	HIST 2112	U.S. History after 1877	_3
			13
D	E 1 //:		
Physical	Education (fitness	competency requirement) ***	2
		Two Year Total Hours	66
		IWO TEAT TOLAT HOURS	00

 $^{^{\}star\star}\textsc{Oral}$ 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+, Netwowrk+ 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	First Semester Cisco I: Networking Basics Computer Systems Support I	Sem. Hrs. 5 3 8
COPR 2282 COPR 2251	Second Semester Cisco II: Routers and Routing Basics Computer Systems Support II	5 <u>3</u> 8
COPR 2283 COPR 2245	Third Semester Cisco III: Switching Basics and Intermediate Routing Networking I	5 <u>5</u> 10
COPR 2291 COPR 2321	Fourth Semester Fundamentals of UNIX Basic Principles of Network Security	3 <u>3</u> 6
	One-Year Total	32

Veb Version

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 4 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 <u>3</u> 6
	Total Hours	19

COMPUTER SYSTEMS SECURITY CERTIFICATE OPTION (8576) 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	_3
	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	First Semester	Sem. Hrs.
BUSA 2106	The Environment of Business	3
CISM 2201	Fundamentals of Computer Applications	3
ENGL 1101	English Composition I	3
MATH 1001 or	Quantitative Skills and Reasoning or	
MATH 1111 or	College Algebra or	_
DOI 0 4404	higher math	3
POLS 1101	American Government in World Perspective	_ <u>3</u> 15
	Second Competer	15
CODD 2244	Second Semester	4
COPR 2244	Introduction to Networking	4
COPR 2250 CSCI 1300	Computer Systems Support I	3
ENGL 1102	Introduction to Computer Science	ა 3
HIST 2111 or	English Composition II U.S. History Through 1877 or	ა
HIST 2111	U. S. History After 1877	2
11131 2112	O. S. HIStory Arter 1877	<u>3</u>
		10
Sophomore Year	First Semester	Sem. Hrs.
ACCT 2101	Principles of Accounting I	3
COMM 1110	Public Speaking**	3
COPR 2235	Database Management Systems	
CSCI 1301	Computer Science I	4
ENGL 2111 or	World Literature I or	
ENGL 2112	World Literature II	<u>3</u> 16
		16
	Second Semester	_
ACCT 2102	Principles of Accounting II	3
COPR 2321	Basic Principles of Network Security	3 3
COPR 2291	Fundamentals of UNIX	3
CSCI 1302	Computer Science II	4
MATH 2205	Introduction to Statistics	3
		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 MCSA appropriate courses, the student may elect to take the Microsoft Certified Systems Administrator (MSCA) 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 MCSA 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 MCSE 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	Summer Semester	Sem. Hrs.
CISM 2201	Fundamentals of Computer Applications	<u>3</u> 3
		3
	Fall Semester	
COPR 2250	Computer Systems Support I	3
COPR 2251	Computer Systems Support II	3
ENGL 1101	English Composition I	3
MATH 1111	College Algebra	<u>3</u> 12
		12
	Spring Semester	
COPR 2244	Introduction to Networking	4
CSCI 1300 or	Introduction to Computer Science or	
CSCI 1301	Computer Science I	3-4
COMM 1110	Public Speaking*	3
BUSA 2105 or	Communicating in the Business Environment or	_
ENGL 1102	English Composition II	3
		13-14
Sophomore Year	Summer Semester	Sem. Hrs.
COPR 2291	Fundamentals of UNIX	3
COPR 2321	Basic Principles of Network Security	<u>3</u>
		6
	Fall Semester	
COPR 2245	Networking I (A-Term)	5
COPR 2246	Networking II (B-Term)	5
POLS 1101	American Government in World Perspective	<u>3</u> 13
		13

Spring Semester

	- I	
COPR 2301	Networking III (A-term)	5
COPR 2328	Enterprise Messaging (B-term)	5
HIST 2111 or	U.S. History Through 1877 or	
HIST 2112	U.S. History After 1877	3
	•	13
Physical Education	n – (fitness competency requirement)***	_2

Two-Year Total 62-63

*The following courses cover the material for the listed Microsoft exam(s):
Networking I - 70-270 and 70-290
Networking II - 70-291
Networking III - 70-293
Enterprise Messaging - 70-284

^{**}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 Systems administrator (MCSA) 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 MCSA 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 MCSA 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. Hrs. 3 <u>3</u> 6
COPR 2244 COPR 2245 COPR 2246	Fall Semester Introduction to Networking Networking I (A-term) Networking II (B-term)	4 5 <u>5</u> 14
COPR 2301 COPR 2328	Spring Semester Networking III Enterprise Messaging (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):

Networking II - 70-291

Networking III - 70-293

Enterprise Messagin - 70-284

Networking I - 70-270 and 70-290

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. However, the only courses necessary to prepare for the A+ certification exam are COPR 2250 and COPR 2251.

COPR 2244 COPR 2250 * Electives	Introduction to Networking Computer Systems Support I	Sem. Hrs. 4 3 <u>8-9</u> 15-16
COPR 2245 COPR 2251 *Electives	Spring Semester Networking I 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.

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ORACLE SPECIALIST OPTION (3576) Business Division RECOMMENDED COURSES FOR CERTIFICATE PROGRAM

This option is designed to address the national shortage of personnel qualified to develop applications using the Oracle database management system. The goal is to prepare students for the Oracle Certified Internet Application Developer Rel. 6/6i Track exams. While every effort is made to assist the student in preparing for the Oracle certification exams, we cannot guarantee that students will pass the exams.

Prerequisite classes for Oracle I are CISM 2201, COPR 2220, and COPR 2235. Prerequisite courses must have been completed with a grade of "B" or better.

To complete the Darton College Oracle Specialist Option Certificate, the 32 hours listed below are required. However, the only courses necessary to prepare for the Oracle certification exams are COPR 2270, COPR 2271, COPR 2273, COPR 2274, and COPR 2275.

		Sem. Hrs.
COPR 2270	Oracle I	3
COPR 2271	Oracle II	3
COPR 2273	Oracle III	3
COPR 2274	Oracle IV	3
COPR 2275	Oracle v	3
Electives*		<u>14-17</u>
	One-Year Total	29-32

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

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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.