

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 hours

See Core Curriculum, Area B.	4
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Area C

Humanities/Fine Arts - 6 hours

Literature course	See Core Curriculum, Area C Humanities/Fine 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, Math and Technology - 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	
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 Major - 18 hours

Major Requirements		
BIOL 1107K and	Principles of Biology I and	4
BIOL 1108K	Principles of Biology II	4
CHEM 2240K	Principles of Organic Chemistry I	4
Major Electives – Choose at least six hours from the following:		
PHYS 1111K or	Introductory Physics I or	4
PHYS 2211K	Principles of Physics I	4
PHYS 1112K	Introductory Physics II or	4
PHYS 2212K	Principles of Physics II	4

Area G

Physical Education – (1 – 4 courses)** 5-8

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

Two-Year Total

65-68

*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.

Depending on your enrollment status, you may be required to take DART 1000, “First Year Experience.” [Please refer to Section 7 Academic Support Services Paragraph I](#)



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

Freshman Year	First Semester	Sem. Hrs.
ENGL 1101	English Composition I	3
CHEM 1211K	Principles of Chemistry I	4
MATH 1113	Pre-Calculus	3
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.Educ.	<u>1-2</u>
		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.Educ.	<u>1-2</u>
		16-17
	Summer Semester	
CHEM 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.Educ.	<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	Principles of Macroeconomics	3
AREA G Elective	See Core Curriculum, Area G, Health/Phy.Educ.	<u>1-2</u>
		15-16
	Two-Year Total	67-70

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

Depending on your enrollment status, you may be required to take DART 1000, "First Year Experience." [Please refer to Section 7 Academic Support Services Paragraph I](#)

ANTHROPOLOGY (0093)
Social Science 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 1101 or	Quantitative Skills and Reasoning or	
MATH 1111	College Algebra or higher math	3

Area B

Institutional Options - 4 Hours

See Core Curriculum, Area B.	4
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Area C

Humanities And The Fine Arts - 6 Hours

Literature course	See Core Curriculum, Area C, Humanities/Fine 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

Lab Science	See Core Curriculum, Area D, Lab Sciences.	8
Mathematics/ Technology	See Core Curriculum, Area D, Mathematics/ Technology courses.	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
Elective	See Core Curriculum, Area E, Social/Science courses	3

Area F

Courses Related To The Major - 18 Hours

ANTH 1103	Introduction to Cultural Anthropology	3
Optional Electives (15 hours) from the following		
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		0-12
GEOG 1101 or	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)***

5-8

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

Two-Year Total

65-68

*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.](#)

Depending on your enrollment status, you may be required to take DART 1000, “First Year Experience.” [Please refer to Section 7 Academic Support Services Paragraph I](#)

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

Freshman Year	First Semester	Sem. Hrs.
ENGL 1101	Composition I	3
MATH 1001 or	Quantitative Skills and Reasoning or or	
MATH 1111	College Algebra or higher math	3
AREA D Lab Science	See Core Curriculum, Area D, Lab Sciences.	4
HIST 2111 or	U.S. History Through 1877 or	
HIST 2112	U.S. History After 1877	3
AREA F Elective	See Area F Courses Related to the Major.	3
AREA G Elective	See Core Curriculum, Health/Phy.Educ.	<u>1-2</u>
		17-18
	Second Semester	
ENGL 1102	Composition II	3
AREA D Lab Science	See Core Curriculum, Area D, Lab Sciences.	4
AREA D Elective	See Core Curriculum, Area D, Lab Sciences.	3
HIST 1111 or	Survey of World History I or	
HIST 1112	Survey of World History II	3
AREA F Elective	See Area F Courses Related to the Major.	3
AREA G Elective	See Core Curriculum, Area G, Health/Phy.Educ.	<u>1-2</u>
		17-18
Sophomore Year	First Semester	Sem. Hrs.
AREA B Elective	See Core Curriculum, Area B.	1-3
COMM 1110	Public Speaking*	3
POLS 1101	American Government in World Perspective	3
ANTH 1103	Introduction to Cultural Anthropology	3
AREA F Elective	See Area F Courses Related to the Major.	3
AREA G Elective	See Core Curriculum, Area G, Health/Phy.Educ.	<u>1-2</u>
		14-17
	Second Semester	
AREA B Elective	See Core Curriculum, Area B.	1-3
AREA C Literature	See Core Curriculum, Area C.	3
AREA E Elective	See Core Curriculum, Area E, Social Sciences.	
		3
AREA F Elective	See Area F Courses Related to the Major.	3
AREA F Elective	See Area F Courses Related to the Major.	3
AREA G Elective	See Core Curriculum, Area G, Health/Phy.Educ.	<u>1-2</u>
		14-17
	Two-Year Total	65-68

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

Depending on your enrollment status, you may be required to take DART 1000, "First Year Experience." [Please refer to Section 7 Academic Support Services Paragraph I](#)

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

Area A

Essential 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

Institutional Options - 4 Hours

The following courses are recommended, but other Area B courses are allowed.

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	Critical Thinking	2

Area C

Humanities And The Fine Arts - 6 Hours

Literature [See Core Curriculum, Area C.](#) 3

The following course is recommended, but other Humanities/Fine Arts courses are allowed. [See Core Curriculum, Area C.](#)

Foreign Language	Intermediate I or	
2001	Higher Foreign Language	3

Area D

Science, Mathematics, And Technology - 11 Hours

Lab Science [See Core Curriculum, Area D, Lab Sciences.](#) 8

The following course is recommended, but other Math/Technology courses are allowed.

MATH 1112	Trigonometry	3
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Area E

Social Science - 12 Hours

POLS 1101 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

The following course is recommended, but other Social Science courses are allowed.

ANTH 1103 Introduction to Cultural Anthropology 3

Area F

Courses Related To The Major - 18 Hours

Major Requirements (12 hours)

ART 1020	Design I	3
ART 1030	Design II	3
ART 2280	Art History I	3
ART 2285	Art History II	3

Major Electives (6 hours)

ART 1010	Drawing	
ART 2111	Basic Photography	
ART 2120	Painting	
ART 2130	Watercolor	
ART 2140	Ceramics I	
ART 2150	Computer Arts	
ART 2160	Visual Design	

Area G

Physical Education – (1 – 4 courses)**

5-8

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

Two-Year Total

65-69

*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.**

Depending on your enrollment status, you may be required to take DART 1000, “First Year Experience.” [Please refer to Section 7 Academic Support Services Paragraph I](#)



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

Freshman Year		First Semester	Sem. Hrs.
ART 1020		Design I	3
ENGL 1101		Composition I	3
MATH 1001 or		Quantitative Skills and Reasoning or or	
MATH 1111		College Algebra or higher math	3
POLS 1101		American Government in World Perspective	3
AREA D Lab Science		See Core Curriculum, Area D, Lab Sciences.	4
AREA G Elective		See Core Curriculum, Area G, Health/Phy.Educ.	<u>1-2</u>
			17-18
		Second Semester	
ART 1030		Design II	3
ENGL 1102		Composition II	3
AREA D Lab Science		See Core Curriculum, Area D, Lab Sciences.	4
HIST 2111 or		U.S. History Through 1877 or	
HIST 2112		U.S. History After 1877	3
The following course is recommended, but other Area D Math/Technology courses are allowed.			
MATH 1112		Trigonometry	3
AREA G Elective		See Core Curriculum, Health and Physical Educ.	<u>1-2</u>
			17-18
Sophomore Year		First Semester	Sem. Hrs.
AREA C Literature		See Core Curriculum, Area C.	3
HIST 1111 or		Survey of World History I or	3
HIST 1112		Survey of World History II	
ART 2280		Art History I	3
Choose one of the following:			
ART 1010 or		Drawing or	
ART 2111 or		Basic Photography or	
ART 2130 or		Watercolor or	
ART 2140 or		Ceramics I or	
ART 2150 or		Computer Arts or	
ART 2170 or		Web Page Design or	
ART 2180		Digital Photography	3
The following courses are recommended, but other Area C Humanities/Fine Arts courses are allowed. See Core Curriculum, Area C.			
Foreign Language 2001		Intermediate I or Higher Foreign Language	3
AREA G Elective		See Core Curriculum, Area G, Health/Phy.Educ.	<u>1-2</u>
			16-17
		Second Semester	
ART 2285		Art History II	3
ART 2111 or		Basic Photography or	
ART 2120 or		Painting or	
ART 2130 or		Watercolor or	
ART 2140 or		Ceramics I or	
ART 2150 or		Computer Arts or	
ART 2160 or		Visual Design or	
ART 2180		Digital Photography	3
The following course is recommended, but other Area B courses are allowed.			
PHIL 1101		Critical Thinking	2
The following courses are recommended, but other Area B courses are allowed.			
COMM 1000 or		Cultural Diversity in Communication or	

COMM 1110 or COMM 1111	Public Speaking* or Issues in Argumentation and Advocacy	2-3
The following course is recommended, but other Area E Social Science courses are allowed. See Core Curriculum, Area E, Social Science.		
ANTH 1103	Introduction to Cultural Anthropology	3
AREA G Elective	See Core Curriculum, Area G, Health/Phy.Educ.	<u>1-2</u>
		14-16
Two-Year Total		65-69

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

Depending on your enrollment status, you may be required to take DART 1000, “First Year Experience.” [Please refer to Section 7 Academic Support Services Paragraph I](#)

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 these areas: drawing, two-dimensional design, digital design, photography, graphic design production, and web page design.

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

Depending on your enrollment status, you may be required to take DART 1000, "First Year Experience." [Please refer to Section 7 Academic Support Services Paragraph I](#)

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		Sem. Hrs.
ART 1020	Design I	3
ART 2150	Computer Art	3
ART 2210	Video I	<u>3</u>
		9
Spring Semester		Sem. Hrs.
ART 2190	Photographic Lighting Techniques	3
ART 2230	Video Editing	3
ART 2200	Prof. Practices, Portfolio Preparation & Review	<u>3</u>
		9
One-Year Total		18

Depending on your enrollment status, you may be required to take DART 1000, "First Year Experience." [Please refer to Section 7 Academic Support Services Paragraph I](#)

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

Depending on your enrollment status, you may be required to take DART 1000, "First Year Experience." [Please refer to Section 7 Academic Support Services Paragraph I](#)

BIOLOGY (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 hours

See Core Curriculum, Area B.	4
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Area C

Humanities/Fine Arts - 6 hours

Literature Course	See Area C Core Curriculum, Humanities/Fine 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, Math and Technology - 11 hours

Science Requirements		
CHEM 1211K and	Principles of Chemistry I and	8
CHEM 1212K	Principles of Chemistry II	
Math/Technology Requirement		
MATH 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	
HIST 2112	U.S. History After 1877	3
POLS 1101	American Government in World Perspective	3
Elective	See Core Curriculum, Area E	3

Area F

Courses Related to the Major - 18 hours***

Major Requirements		
BIOL 1107K	Principles of Biology I	4
BIOL 1108K	Principles of Biology II	4
Major Electives		
CHEM 2240K	Principles of Organic Chemistry I and	4
CHEM 2241K	Principles of Organic Chemistry II	4
PHYS 1111K and	Introductory Physics I or	4
PHYS 2211K	Principles of Physics I	4
PHYS 1112K and	Introductory Physics II or	4
PHYS 2212K	Principles of Physics II	4
SCIE 2000K or	Principles of Research Methodology or	
SCIE 2001K	Principles of Scientific Instrumentation/Methods	2

Area G

Physical Education – (1 – 4 courses)**	<u>5-8</u>
One course per semester of full-time enrollment with a maximum of 4 courses	

Two-Year Total

65-68

*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.](#)

***Secondary Education Biology Majors – [see Teacher Education \(0014\) Secondary Education.](#)

Depending on your enrollment status, you may be required to take DART 1000, “First Year Experience.” [Please refer to Section 7 Academic Support Services Paragraph I](#)

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

Freshman Year	First Semester	Sem. Hrs.
ENGL 1101	English Composition I	3
CHEM 1211K	Principles of Chemistry I	4
MATH 1113	Pre-Calculus	3
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.Educ.	1-2
		<u>16-17</u>
	Second Semester	
ENGL 1102	English Composition II	3
CHEM 1212K	Principles of Chemistry II	4
MATH 2205	Introduction to Statistics	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.Educ.	1-2
		<u>16-17</u>
	Summer Semester	
CHEM 2240K	Principles of Organic Chemistry I	4
CHEM 2241K	Principles of Organic Chemistry II	4
		<u>8</u>
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
SCIE 2000K or	Principles of Research Methodology or	
SCIE 2001K	Principles of Scientific Instrumentation/Methods	2
AREA G Elective	See Core Curriculum, Area G, Health/Phy.Educ.	1-2
		<u>17-18</u>
	Second Semester	
BIOL 1108K	Principles of Biology II	4
PHYS 1112K	Introductory Physics II	4
AREA C Literature	See Core Curriculum, Area C, Hum/Fine Arts.	3
AREA E Elective	See Core Curriculum, Area E, Social Sciences	3
AREA G Elective	See Core Curriculum, Area G, Health/Phy.Educ.	1-2
		<u>15-16</u>
	Two-Year Total	73-76

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

Depending on your enrollment status, you may be required to take DART 1000, "First Year Experience." [Please refer to Section 7 Academic Support Services Paragraph I](#)

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 hours

See Core Curriculum, Area B		4
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Area C

Humanities/Fine Arts - 6 hours

Literature Course	See Area C Core Curriculum, Humanities/Fine 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, Math and Technology - 11 hours

Science Requirements			
BIOL 1107K and	Principles of Biology I	8	
BIOL 1108K	Principles of Biology II		
Math/Technology Requirement			
MATH 2205	Introduction to Statistics	3	

Area E

Social Science - 12 hours

HIST 1111 or	Survey of World History I or	3
HIST 1112	Survey of World History II	
HIST 2111 or	U.S. History Through 1877 or	3
HIST 2112	U.S. History After 1877	
POLS 1101	American Government in World Perspective	3
Elective	See Core Curriculum, Area E, Social Sciences.	3

Area F

Courses Related to the Major - 28 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	<u>2</u>
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Two-Year Total

64-72

*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.

Depending on your enrollment status, you may be required to take DART 1000, “First Year Experience.” [Please refer to Section 7 Academic Support Services Paragraph I](#)

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

Freshman Year	Fall Semester	Sem. Hrs.
ENGL 1101	English Composition I	3
HIST 1111 or	Survey of World History I or	
HIST 1112	Survey of World History II	3
PHED 1161	Fitness I	2
BIOL 1107K	Principles of Biology I	4
MATH 1112 or	Trigonometry or	
MATH 1113	Pre-Calculus	3
		<u>15</u>
	Spring Semester	
ENGL 1102	English Composition II	3
MATH 2205	Introduction to Statistics	3
BIOL 1108K	Principles of Biology II	4
BIOM 2101K	Introduction to Biotechnology	4
AREA B Elective	See Core Curriculum, Area B.	2
		<u>16</u>
	Summer Semester	
BIOL 2115K	Microbiology	4
BIOM 2100K	Molecular Genetics	4
		<u>8</u>
Sophomore Year	Fall Semester	Sem. Hrs.
AREA C Literature	See Core Curriculum, Area C, Hum/Fine Arts.	3
HIST 2111 or	U.S. History Through 1877 or	
HIST 2112	U.S. History After 1877	3
CHEM 1211K	Principles of Chemistry I	4
COMM 1110*	Public Speaking*	3
BIOM 2204K	Cellular/Molecular Biology	4
		<u>17</u>
	Second Semester	
POLS 1101	American Government	3
BIOM 2202K	Applications in Biotechnology	4
BIOM 2205K	Introduction to Biochemistry	4
AREA B Elective	See Core Curriculum, Area B.	2
AREA E Elective	See Core Curriculum, Area E, Social Sciences.	3
		<u>16</u>
Two-Year Total		72

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

Depending on your enrollment status, you may be required to take DART 1000, "First Year Experience." [Please refer to Section 7 Academic Support Services Paragraph I](#)

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

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 Hours

The following courses are recommended but other Area B courses are allowed.		
CISM 2201	Fundamentals of Computer Applications	3
BUSA 1100 or BUSA 1145 or LEAD 1101	Financial Planning & Investment Management or International Business, Culture and Economics or Leadership Development	2

Area C

Humanities And The Fine Arts - 6 Hours

Literature Course	See Core Curriculum, Area C, Humanities/Fine Arts.	3
The following course is recommended but other Area C courses are allowed.		
COMM 1110	Public Speaking*	3

Area D

Science, Mathematics, And Technology - 11 Hours

The following courses are 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

Social Science - 12 Hours

HIST 1111 or HIST 1112	Survey of World History I or Survey of World History II	3
HIST 2111 or HIST 2112	U. S. History Through 1877 or U.S. History After 1877	3
POLS 1101	American Government in World Perspective	3
The following courses are recommended but other Area E courses are allowed. See Core curriculum Area E.		
ECON 2105 or PSYC 1101	Principles of Macroeconomics or General Psychology	3

Area F

Courses Related To The Major - 18 Hours

ACCT 2101	Principles of Accounting I	3
ACCT 2102	Principles of Accounting II	3
CISM 2201	Fundamentals of Computer Applications***	3
ECON 2105	Principles of Macroeconomics***	3
ECON 2106	Principles of Microeconomics	3

Optional Elective (3 hours) from the following:

BUSA 1105 or BUSA 2105 or BUSA 2106	Introduction to Business or Communicating in the Business Environment or The Environment of Business	3 3 3
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***If CISM 2201 is taken in Area B and/or ECON 2105 is taken in Area E, then

additional courses are selected from BUSA 1105, BUSA 2105, and BUSA 2106.

Area G

Physical Education – (1 – 4 courses)**

5-8

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

Two-Year Total

65-68

*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.](#)

Depending on your enrollment status, you may be required to take DART 1000, “First Year Experience.” [Please refer to Section 7 Academic Support Services Paragraph I](#)

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	First Semester	Sem. Hrs.
ENGL 1101	English Composition I	3
CISM 2201	Fundamentals of Computer Applications	3
MATH 1111	College Algebra	3
PHSC 1012K	Introduction to Physical Science II	4
POLS 1101	American Government in World Perspective	3
AREA G Elective	See Core Curriculum, Area G, Health/Phy.Educ.	1-2
		17-18
	Second Semester	
ENGL 1102	English Composition II	3
MATH 1145	Survey of Calculus	3
HIST 1111 or	Survey of World History I or	
HIST 1112	Survey of World History II	3
PHSC 1011K	Introduction to Physical Science I	4
AREA F Elective	See Area F Courses Related to the Major.	3
AREA G Elective	See Core Curriculum, Area G, Health/Phy.Educ.	1-2
		17-18
Sophomore Year	First Semester	Sem. Hrs.
ACCT 2101	Principles of Accounting I	3
COMM 1110	Public Speaking*	3
ECON 2105	Principles of Macroeconomics	3
AREA C Literature	See Core Curriculum, Area C.	3
AREA B Elective	See Core Curriculum, Area B.	2
AREA G Elective	See Core Curriculum, Area G, Health/Phy.Educ.	1-2
		15-16
	Second Semester	
ACCT 2102	Principles of Accounting II	3
ECON 2106	Principles of Microeconomics	3
HIST 2111 or	U.S. History Through 1877 or	
HIST 2112	U.S. History After 1877	3
PSYC 1101	General Psychology	3
AREA B Elective	See Core Curriculum, Area B.	2
AREA G Elective	See Core Curriculum, Area G, Health/Phy.Educ.	1-2
		15-16
	Two-Year Total	65-68

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

Depending on your enrollment status, you may be required to take DART 1000, "First Year Experience." [Please refer to Section 7 Academic Support Services Paragraph I](#)

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.**

Students are cautioned that this program is **NOT** designed for those who intend to pursue a four-year degree in Business at most colleges.

AREA A/C – Humanities 6 hours

ENGL 1101	English Composition I	3
COMM 1110	Public Speaking*	3

Area D – Science/Mathematics 6 hours

MATH 1101 or Higher	Introduction to Mathematical Modeling or Higher math	3
MATH 2205	Introduction to Statistics	3

AREA E – Social Sciences 12 hours

ECON 2105	Principles of Macroeconomics	3
POLS 1101	American Government	3
HIST 2111 or HIST 2112	U.S. History Through 1877 or U.S. History After 1877	3
BUSA 2220 or PSYC 1103	Human Relations or General Psychology	<u>3</u>

GENERAL EDUCATION TOTAL **24**

CORE REQUIRED CLASSES - 24 hours

ACCT 2101	Principles of Accounting I3	3
ACCT 2102	Principles of Accounting II	3
ACCT 2205	Microcomputers in Accounting	3
ACCT 2220	Income Tax Accounting	3
BUSA 1105	Introduction to Business	3
CISM 2201	Fundamental of Computer Applications	3
COPR 2225	Advanced Spreadsheet Apps	3
ECON 2106	Principles of microeconomics	3

MAJOR ELECTIVE CLASSES – 12 hours

ACCT XXXX	Any other Accounting course	3
BUSA XXXX	Any other Business course	3
COPR XXXX	Any other Computer Course	3
ECON XXXX	Any other Economics course	3
ETHI 1101	Issues in Ethics	2
LEAD 1101	Leadership Development	2
PHIL 1101	Critical Thinking	<u>2</u>

MAJOR COURSES TOTAL **36**

AREA G – Physical Education 2 hours

PHED XXXX	Physical Education – (fitness competency requirement)**	<u>2</u>
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PROGRAM 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.](#)

Depending on your enrollment status, you may be required to take DART 1000, “First Year Experience.” [Please refer to Section 7 Academic Support Services Paragraph I](#)



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.**

Students are cautioned that this program is **NOT** designed for those who intend to pursue a four-year degree in Business at most colleges.

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

Depending on your enrollment status, you may be required to take DART 1000, "First Year Experience." [Please refer to Section 7 Academic Support Services Paragraph I](#)

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.

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

Depending on your enrollment status, you may be required to take DART 1000, "First Year Experience." [Please refer to Section 7 Academic Support Services Paragraph I](#)

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.

	Summer Semester	Sem. Hrs.
BUSA 1121	Small Business Management	3
CISM 2201	Fundamentals of Computer Applications	3
OCEX 2290	Occupational Experience	<u>3</u>
		9
	Fall Semester	Sem. Hrs.
ACCT 2205	Microcomputers in Accounting	3
BUSA 2255	Personal Selling	3
OCEX 2290	Occupational Experience	<u>3</u>
		9
	Total	18

Depending on your enrollment status, you may be required to take DART 1000, "First Year Experience." [Please refer to Section 7 Academic Support Services Paragraph I](#)

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.

Freshman Year	First Semester	Sem. Hrs.
BUSA 1105	Introduction to Business	3
BUSA 2200	Principles of Management	3
CISM 2201	Fundamentals of Computer Applications	3
ENGL 1101	English Composition I	3
MATH 1111	College Algebra or higher level math	<u>3</u>
		15
	Second Semester	
COPR 2235	Database Management Systems	3
BUSA 2105	Communicating in the Business Environment	3
COPR 2220 or	Visual Basic for Business Applications or	
CSCI 1300 or	Introduction to Computer Science or	
CSCI 1150	Computer Programming in Visual Basic	3
COPR 2225	Advanced Spreadsheet Applications	3
POLS 1101	American Government in World Perspective	<u>3</u>
		15
Sophomore Year	First Semester	Sem. Hrs.
ACCT 2101	Principles of Accounting I	3
COPR 2321	Basic Principles of Network Security	3
COPR 2250	Computer Systems Support I	3
HIST 2111 or	U.S. History Through 1877 or	
HIST 2112	U. S. History After 1877	3
COPR 2341	Microsoft Word Applications	<u>3</u>
		15
	Second Semester	
ACCT 2102	Principles of Accounting II	3
BUSA 2220 or	Human Relations or	
PSYC 1101	General Psychology	3
COMM 1110	Public Speaking*	3
COPR 2244	Introduction to Networking	4
COPR 2251	Computer System Support II	<u>3</u>
		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](#)

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

Depending on your enrollment status, you may be required to take DART 1000, “First Year Experience.” [Please refer to Section 7 Academic Support Services Paragraph I](#)

BUSINESS COMPUTER SYSTEMS (2576)
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)

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

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

Depending on your enrollment status, you may be required to take DART 1000, "First Year Experience." [Please refer to Section 7 Academic Support Services Paragraph I](#)

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+, 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.

Freshman Year	Summer Semester	Sem. Hrs.
COPR 2250	Computer Systems Support I	3
COPR 2251	Computer Systems Support II	<u>3</u>
		6
	Fall Semester	
ENGL 1101	English Composition I	3
COPR 2281	Cisco I: Networking for Home and Small Businesses (A-term)	5
COPR 2282	Cisco II: Working at a Small-to-Medium Business or ISP (B-term)	<u>5</u>
		13
	Spring Semester	
BUSA 2105 or ENGL 1102	Communicating in the Business Environment or 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

Sophomore Year	Summer Semester	Sem. Hrs.
COPR 2291	Fundamentals of UNIX	3
COPR 2321	Basic Principles of Network Security	3
COPR 2405 or	Advanced Cisco: Implementing Cisco IOS Network Security or	
COPR 2407 or	Advanced Cisco: Implementing Cisco IOS Unified Communications or	
COPR 2409	Advanced Cisco: Implementing Cisco Unified Wireless Networking Essentials	<u>5</u>
		11
	Fall Semester	
MATH 1111	College Algebra or higher math	3
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	<u>3</u>
		15-16
Physical Education – (fitness competency requirement)***		<u>2</u>
	Two-Year Total	60-61

** 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.

Depending on your enrollment status, you may be required to take DART 1000, “First Year Experience.” [Please refer to Section 7 Academic Support Services Paragraph I](#)

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+, Linux+, and Security+. 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 Businesses (A-term)	5
COPR 2282	Cisco II: Working at a Small-to-Medium Business Or ISP (B-term)	<u>5</u>
		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 Networks (B-term)	5
COMM 1110	Public Speaking**	3
BUSA 2105 or ENGL 1102	Communicating in the Business Environment or English Composition II	<u>3</u>
		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 2246	Managing and Maintaining a Windows Server (A-term)	5
COPR 2301	Maintaining a Windows Network Infrastructure (B-term)	5
POLS 1101	American Government in World Perspective	<u>3</u>
		13
Spring Semester		Sem. Hrs.
COPR 2303	Planning and Maintaining Windows Active Directory (A-Term)	5
COPR 2245	Configuring Windows Client Operating Systems (B-term)	5
HIST 2111 or	U.S. History to 1877 or	
HIST 2112	U.S. History after 1877	<u>3</u>
		13
Physical Education (fitness competency requirement) ***		2
Two Year Total Hours		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.](#)

Depending on your enrollment status, you may be required to take DART 1000, "First Year Experience." [Please refer to Section 7 Academic Support Services Paragraph I](#)

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, including 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).

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

Depending on your enrollment status, you may be required to take DART 1000, "First Year Experience." Please refer to Section 7 Academic Support Services Paragraph I

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.

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

Depending on your enrollment status, you may be required to take DART 1000, "First Year Experience." [Please refer to Section 7 Academic Support Services Paragraph I](#)

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	<u>4</u>
	TOTAL	17

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

Depending on your enrollment status, you may be required to take DART 1000, "First Year Experience." [Please refer to Section 7 Academic Support Services Paragraph I](#)

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 Information Technology.

Freshman Year	Fall Semester	Sem. Hrs.
BUSA 2106	The Environment of Business	3
CISM 2201	Fundamentals of Computer Applications	3
ENGL 1101	English Composition I	3
MATH 1113	Pre-calculus	3
POLS 1101	American Government in World Perspective	3
		<u>15</u>
	Spring Semester	
COPR 2244	Introduction to Networking	4
COPR 2250	Computer Systems Support I	3
CSCI 1300	Introduction to Computer Science	3
ENGL 1102	English Composition II	3
HIST 2111 or	U.S. History Through 1877 or	
HIST 2112	U. S. History After 1877	3
		<u>16</u>
	Summer Semester	
COPR 2291	Fundamentals of UNIX	3
COPR 2321	Basic Principles of Network Security	3
		<u>6</u>
Sophomore Year	Fall Semester	
ACCT 2101	Principles of Accounting I	3
COMM 1110	Public Speaking**	3
CSCI 1301	Computer Science I	4
ENGL 2111 or	World Literature I or	
ENGL 2112	World Literature II	3
		<u>13</u>
	Spring Semester	
ACCT 2102	Principles of Accounting II	3
COPR 2235	Database Management Systems	3
CSCI 1302	Computer Science II	4
MATH 2205	Introduction to Statistics	3
		<u>13</u>
	Physical Education – (fitness competency requirement)***	2
		<u>2</u>
	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.](#)

Depending on your enrollment status, you may be required to take DART 1000, “First Year Experience.” [Please refer to Section 7 Academic Support Services Paragraph I](#)

COMPUTER SYSTEMS ADMINISTRATION 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+, Linux+, and Security+. 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	Summer Semester	Sem. Hrs.
CISM 2201	Fundamentals of Computer Applications	<u>3</u> 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
	Spring Semester	
COPR 2244	Introduction to Networking	4
CSCI 1300 or CSCI 1301	Introduction to Computer Science or Computer Science I	3-4
COMM 1110	Public Speaking*	3
BUSA 2105 or ENGL 1102	Communicating in the Business Environment or English Composition II	<u>3</u> 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 2246	Managing and Maintaining a Windows Server (A-Term)	5
COPR 2301	Maintaining a Windows Network Infrastructure (B-term)	5
POLS 1101	American Government in World Perspective	<u>3</u> 13

Spring Semester		
COPR 2303	Planning and Maintaining Windows Active Directory (A-Term)	5
COPR 2245	Configuring Windows Client Operating Systems (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

**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.

*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

Depending on your enrollment status, you may be required to take DART 1000, “First Year Experience.” [Please refer to Section 7 Academic Support Services Paragraph I](#)

OFFICE TECHNOLOGY MANAGEMENT OPTION (6357)
Business Division
RECOMMENDED COURSES FOR CAREER
ASSOCIATE OF APPLIED SCIENCE DEGREE PROGRAMS

This program is designed to prepare students to assume professional management of the modern, technology-based office. It combines technical skills in software such as Microsoft Word, Excel, Access, and PowerPoint, with extensive training in business and management. It also allows students to select electives that will meet their specific career objectives.

Freshman Year	First Semester	Sem. Hrs.
ENGL 1101	English Composition I	3
MATH 1111	College Algebra or higher math	3
CISM 2201	Fundamentals of Computer Applications	3
POLS 1101	American Government in World Perspective	3
HIST 2111 or	U.S. History Through 1877 or	
HIST 2112	U.S. History After 1877	<u>3</u>
		15
	Second Semester	
ACCT 2101	Principles of Accounting I	3
COMM 1110	Public Speaking*	3
BUSA 2220 or	Human Relations or	
PSYC 1101	General Psychology	3
COPR 2225	Advanced Spreadsheet Applications	3
COPR 2235	Database Management Systems	<u>3</u>
		15
Sophomore Year	First Semester	Sem. Hrs.
COPR 2341	Microsoft Word Applications	3
COPR 2226	Advanced PowerPoint/Access	3
BUSA 1105	Introduction to Business	3
BUSA 2105	Communicating in the Business Environment	3
BUSA 2200	Principles of Management	<u>3</u>
		15
	Second Semester	
BUSA 2106	The Environment of Business	3
Electives	(ACCT/BUSA/COPR/CSCI/ECON)	<u>12</u>
		15
Physical Education – (fitness competency requirement) **		<u>2</u>
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.

Depending on your enrollment status, you may be required to take DART 1000, "First Year Experience." [Please refer to Section 7 Academic Support Services Paragraph I](#)

COMPUTER SYSTEMS ADMINISTRATION 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+, Linux+, and Security+. 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 Computer Systems Administration Option (3357).

	Summer Semester	Sem. Hrs.
COPR 2250	Computer Systems Support I	3
COPR 2251	Computer Systems Support II	<u>3</u>
		6
	Fall Semester	
COPR 2244	Introduction to Networking	4
COPR 2246	Managing and Maintaining a Windows Server (A-term)	5
COPR 2301	Maintaining a Windows Network Infrastructure (B-term)	<u>5</u>
		14
	Spring Semester	
COPR 2303	Planning and Maintaining Windows Active Directory (A-Term)	5
COPR 2245	Configuring Windows Client Operating Systems (B-term)	<u>5</u>
		10
	Summer Semester	
COPR 2291	Fundamentals of UNIX	3
COPR 2321	Basic Principles of Network Security	<u>3</u>
		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

Depending on your enrollment status, you may be required to take DART 1000, "First Year Experience." Please refer to Section 7 Academic Support Services Paragraph I

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.

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

	Summer Semester	Sem. Hrs.
CISM 2201	Fundamentals of Computer Applications	3
COPR 2321	Basic Principles of Network Security	<u>3</u>
		6
	Fall Semester	
COPR 2250	Computer Systems Support I	3
*Electives		<u>9-10</u>
		12-13
	Spring Semester	Sem. Hrs.
COPR 2251	Computer Systems Support II	3
COPR 2244	Introduction to Networking	4
*Electives		<u>5-6</u>
		12-13
One-Year Total		30-32

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

Depending on your enrollment status, you may be required to take DART 1000, "First Year Experience." [Please refer to Section 7 Academic Support Services Paragraph I](#)

OFFICE TECHNOLOGY MANAGEMENT OPTION (9576)**Business Division****RECOMMENDED COURSES FOR
CERTIFICATE PROGRAM**

	Summer Semester	Sem. Hrs.
CISM 2201	Fundamentals of Computer Applications	3
ENGL 1101	English Composition I	<u>3</u>
		6
	Fall Semester	
MATH 1111	College Algebra of higher math	3
BUSA 1105	Introduction to Business	3
COPR 2341	Microsoft Word Applications	3
COPR 2226	Advanced PowerPoint/Access	<u>3</u>
		12
	Spring Semester	
BUSA 2105	Communicating in the Business Environment	3
ACCT 2101	Principles of Accounting I	3
COPR 2225	Advanced Spreadsheet Applications	3
COPR 2235	Database Management Systems	<u>3</u>
		12
	One-Year Total	30

Depending on your enrollment status, you may be required to take DART 1000, "First Year Experience." [Please refer to Section 7 Academic Support Services Paragraph I](#)

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.**

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

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

Depending on your enrollment status, you may be required to take DART 1000, "First Year Experience." [Please refer to Section 7 Academic Support Services Paragraph I](#)

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.

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

Depending on your enrollment status, you may be required to take DART 1000, "First Year Experience." [Please refer to Section 7 Academic Support Services Paragraph I](#)