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

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	8
BIOL 1108K	Principles of Biology II	

Major Electives

CHEM 2240K	Principles of Organic Chemistry I	4
PHYS 1111K and	Introductory Physics I and	
PHYS 1112K	Introductory Physics II or	
PHYS 2211K and	Principles of Physics I and	8
PHYS 2212K	Principles of Physics II	

Area G
Physical Education – (1 – 4 courses)**   4-8
One course per semester of full-time enrollment
with a maximum of 4 courses

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	**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	**66-70**

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

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

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/	See Core Curriculum, Area D, Mathematics/	
Technology	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 1101or	Introduction to Human Geography or	3
HIST 1111** or	Survey of World History I	3
HIST 1112** or	Survey of World History II	3
HIST 2111** or	U.S. History Through 1877 or	3
HIST 2112** or	U.S. History After 1877	3
MATH 2205 or	Introduction to Statistics or	3
PHIL 2205 or	Introduction to Philosophy or	3

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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	**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.	1-2
		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.	1-2
		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.	1-2
		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.	1-2
		14-17

	Two-Year Total	**64-68**

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

Web Version

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

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

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

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Web Version

Area
Physical Education – (1 – 4 courses)**   4-8
    One course per semester of full-time enrollment
    with a maximum of 4 courses

                    Two-Year Total   **64-69**

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

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

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

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

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

Freshman Year	**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.	1-2
		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.	1-2
		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
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

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.	1-2
		16-17

	Second Semester	
ART 2285	Art History II	3
ART 2111 or	Basic Photography or	
ART 2120 or	Painting or	
ART 2150 or	Computer Arts or	
ART 2160	Visual Design	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	Public Speaking* or	
COMM 1111	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.	1-2
		14-16

	Two-Year Total	**64-69**

Web Version

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

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

Fall Semester		**Sem. Hrs.**
ART 1010	Drawing	3
ART 1020	Design I	3
ART 2170	Web Page Design	3
		9

Spring Semester		
ART 2111	Basic Photography	3
ART 2160	Visual Design	3
ART 2150	Computer Art	3
		9
	One Year Total	**18**

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	3
		9

Spring Semester		**Sem. Hrs.**
ART 2220	Video II	3
ART 2230	Video Editing	3
ART 2200	Prof. Practices, Portfolio Preparation & Review	3
		9

| | **One-Year Total** | **18** |

Web 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		**Sem. Hrs.**
ART 2111	Basic Photography	3
ART 2190	Photographic Lighting Techniques	3
ART 1020	Design I	3
		9

Spring Semester		**Sem. Hrs.**
ART 2150	Computer Art	3
ART 2180	Digital Photography	3
ART 2200	Professional Practices, Portfolio Preparation and Review	3
		9

	One-Year Total	**18**

Web Version

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

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
PSYC 1101	General Psychology	3

Area F
  Courses Related to the Major - 18 hours
  Major Requirements

BIOL 1107K and	Principles of Biology I and	8
BIOL 1108K	Principles of Biology II	

  Major Electives

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)**   <u>4-8</u>
    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

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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	**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
		16-17
	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
		16-17
	Summer Semester	
CHEM 2240K	Principles of Organic Chemistry I	4
CHEM 2241K	Principles of Organic Chemistry II	4
		8

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
		17-18
	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
PSYC 1101	General Psychology	3
AREA G Elective	See Core Curriculum, Area G, Health/Phy.Educ.	1-2
		15-16
	Two-Year Total	**72-76**

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

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

Area 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

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

Area F
   Courses Related to the Major - 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-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.

Web Version

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
		15
	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
		16
	Summer Semester	
BIOL 2115K	Microbiology	4
BIOM 2100K	Molecular Genetics	4
		8
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
		17
	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
		16
	Two-Year Total	**72**

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

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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

See Core Curriculum, Area B		4

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
    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	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
    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	Introduction to Business or	3
BUSA 2105 or	Communicating in the Business Environment or	3
BUSA 2106	The Environment of Business	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.
**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	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	**64-68**

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

Web Version

BUSINESS ADMINISTRATION (0004)
Business Division
RECOMMENDED COURSES FOR TRANSFER
ASSOCIATE OF SCIENCE DEGREE PROGRAMS
WEEKEND PROGRAM

	Fall Semester	**Sem. Hrs.**
ENGL 1101	English Composition I	3
POLS 1101	American Government in World Perspective	3
PHED 1161	Fitness	2
		8

	Spring Semester	
ENGL 1102	English Composition II	3
HIST 2111 or	U.S. History through 1877 or	
HIST 2112	U.S. History after 1877	3
PHIL 1101	Critical Thinking	2
		8

	Summer Semester	
ENGL	Literature	3
HIST 1111 or	Survey of World History I or	
HIST 1112	Survey of World History II	3
		6

	Fall Semester	
MATH 1111	College Algebra, or higher math	3
BUSA 1100	Financial Planning/Investment Management	2
CISM 2201	Fundamentals of Computer Applications	3
		8

	Spring Semester	
PSYC 1101	General Psychology	3
ECON 2105	Principles of Macroeconomics	3
		6

	Summer Semester	
ECON 2106	Principles of Microeconomics	3
BUSA 1105	Introduction to Business	3
		6

	Fall Semester	
PHSC 1011K	Introduction to Physical Science I	4
ACCT 2101	Principles of Accounting I	3
COMM 1110	Public Speaking (ONLINE)	3
		10

	Spring Semester	
BIOL 1110K	Introduction to Environmental Biology	4
MATH 2205	Introduction to Statistics	3
ACCT 2102	Principles of Accounting II	3
		10

	Total	**62**

BUSINESS ADMINISTRATION (0004)
Business Division
RECOMMENDED COURSES FOR TRANSFER
ASSOCIATE OF SCIENCE DEGREE PROGRAMS
FAST-TRACK SCHEDULE

B-Term	**Summer Semester**	**Sem. Hrs.**
HIST 2111 or	U.S. History Through 1877 or	
HIST 2112	U.S. History After 1877	3
BUSA 1105	Introduction to Business	3
PHED 1161	Fitness	2
		8
A-Term	**Fall Semester**	
ENGL 1101	English Composition I	3
POLS 1101	American Government in World Perspective	3
		6
B-Term		
BUSA 1100	Financial Planning and Investment Management	2
ENGL 1102	English Composition II	3
PHED 1142	Swing Dancing	1
		6
Regular Term		
MATH 1111	College Algebra (or higher math)	3
ACCT 2101	Principles of Accounting I	3
CISM 2201	Fundamentals of Computer Applications	3
		9
A-Term	**Spring Semester**	
PHIL 1101	Critical Thinking	2
COMM 1110	Public Speaking	3
		5
B-Term		
ENGL 2112	World Literature II	3
PHED 1126	Tennis	1
		4
Regular Term		
MATH 1145	Survey of Calculus	3
ACCT 2102	Principles of Accounting II	3
PSYC 1101	General Psychology	3
HIST 1111 or	Survey of World History I or	
HIST 1112	Survey of World History II	3
		12
A-Term	**Summer Semester**	
PHSC 1011K	Introduction to Physical Science I	4
ECON 2105	Principles of Macroeconomics	3
		7
B-Term		
PHSC 1012K	Introduction to Physical Science II	4
ECON 2106	Principles of Microeconomics	3
		7
	Total	**64**

Web Version

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	**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	3
		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	ACCT/BUSA/COPR/ECON	3
		15

Sophomore Year	**First Semester**	**Sem. Hrs.**
ACCT 2211	Intermediate Accounting	3
ACCT 2220	Income Tax Procedures	3
BUSA 2105	Communicating in the Business Environment	3
HIST 2111 or	U.S. History Through 1877 or	
HIST 2112	U.S. History After 1877	3
MATH 2205	Introduction to Statistics	3
		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	ACCT/BUSA/COPR/ECON	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.

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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	3
		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	3
		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	3
		15

One-Year Total   **30**

Web 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.

	Summer Semester	**Sem. Hrs.**
BUSA 1121	Small Business Management	3
CISM 2201	Fundamental of Computer Applications	3
OCEX 2290	Occupational Experience	3
		9

	Fall Semester	**Sem. Hrs.**
ACCT 2125	Bookkeeping for Small Businesses	3
BUSA 2255	Personal Selling	3
OCEX 2290	Occupational Experience	3
		9

| **Total** | | **18** |

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 Hours

See Core Curriculum, Area B		4

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
        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
Mathematics/	See Area D Mathematics/Technology courses.	
Technology		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
    Courses Related To The Major - 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) from 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
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)**   <u>4-8</u>
        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.
**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	**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
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 D Elective	See Core Curriculum, Area D, Lab Sciences.	3
AREA G Elective	See Core Curriculum, Area G, Health/Phy.Educ.	1-2
		14-15

Sophomore Year	**First Semester**	**Sem. Hrs.**
COMM 1110	Public Speaking*	3
EDUC 2110	Investigating Critical and Contemporary Issues in Education	3
AREA C Literature	See Core Curriculum, Area C.	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
	Second Semester	
HIST 2111 or	U.S. History Through 1877 or	
HIST 2112	U.S. History After 1877	3
PSYC 2215	Human Growth and Development	3
AREA B Elective	See Core Curriculum, Area B.	2
AREA G Elective	See Core Curriculum, Area G, Health/Phy.Educ.	1-2
Elect 9 hours from the following:		9
ACCT 2101	Principles of Accounting I	
ACCT 2102	Principles of Accounting II	
BUSA 1105	Introduction to Business	
BUSA 2105	Communicating in the Business Environment	
BUSA 2106	The Environment of Business	
ECON 2105	Principles of Macroeconomics	
ECON 2106	Principles of Microeconomics	
		18-19
	Two-Year Total	**64-68**

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

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

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

Microsoft Certified Application Specialist

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

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

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

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

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

This program is designed to meet the needs of automated offices. The graduate will be able to develop business applications on a microcomputer using software packages, such as Word, Excel, Access, and PowerPoint, to provide technical computer support, and to be familiar with networking concepts. Through skills learned in systems analysis, business communication, and human relations, he/she will become a contributing member of the business team.

Freshman Year	First Semester	Sem. Hrs.
BUED 1111	Beginning Document Processing	3
BUSA 1105	Introduction to Business	3
CISM 2201	Fundamentals of Computer Applications	3
ENGL 1101	English Composition I	3
MATH 1111	College Algebra or higher level math	3
		15
	Second Semester	
COPR 2341	Microsoft Word Applications	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	3
		15

Sophomore Year	First Semester	Sem. Hrs.
ACCT 2101	Principles of Accounting I	3
COPR 2230	Systems Analysis	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 2235	Database Management Systems	3
		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	3
		16
	Physical Education – (fitness competency requirement)**	1-2
	Two-Year Total	**62-63**

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

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

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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)

	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		3
		15

	Second Semester	
BUSA 2105 or	Communicating in the Business Environment or	
ENGL 1102	English Composition II	3
*Electives		12
		15

	One-Year Total	**30**

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

Web Version

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

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

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

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

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

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

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

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

Freshman Year	Summer Semester	Sem. Hrs.
COPR 2250	Computer Systems Support I	3
COPR 2251	Computer Systems Support II	3
		6
	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)	5
		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

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

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

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

Web Version

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)	5
		16

	Spring Semester	**Sem. Hrs.**
COPR 2283	Cisco III: Switching Basics and Intermediate Routing	
	(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	3
		16

Sophomore Year	**Summer Semester**	**Sem. Hrs.**
COPR 2291	Fundamentals of UNIX	3
COPR 2321	Basic Principles of Network Security	3
		6

	Fall Semester	**Sem. Hrs.**
COPR 2245	Networking I (A-term)	5
COPR 2246	Networking II (B-term)	5
POLS 1101	American Government in World Perspective	3
		13

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	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

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.

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).

	First Semester	**Sem. Hrs.**
COPR 2281	Cisco I: Networking Basics	5
COPR 2250	Computer Systems Support I	3
		8

	Second Semester	
COPR 2282	Cisco II: Routers and Routing Basics	5
COPR 2251	Computer Systems Support II	3
		8

	Third Semester	
COPR 2283	Cisco III: Switching Basics and Intermediate Routing	5
COPR 2245	Networking I	5
		10

	Fourth Semester	
COPR 2291	Fundamentals of UNIX	3
COPR 2321	Basic Principles of Network Security	3
		6

	One-Year Total	**32**

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	4
		7

	Spring Semester	**Sem. Hrs.**
COPR 2312	Website Architecture and Development II	3
COPR 2235	Database Management Systems	3
		6

	Summer Semester	**Sem. Hrs.**
COPR 2313	Web Server Administration	3
COPR 2314	Dynamic Website Development with Cold Fusion	3
		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	
	higher math	3
POLS 1101	American Government in World Perspective	3
		15
	Second 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
		16

Sophomore Year	First Semester	Sem. Hrs.
ACCT 2101	Principles of Accounting I	3
COMM 1110	Public Speaking**	3
COPR 2235	Database Management Systems	3
CSCI 1301	Computer Science I	4
ENGL 2111 or	World Literature I or	
ENGL 2112	World Literature II	3
		16
	Second Semester	
ACCT 2102	Principles of Accounting II	3
COPR 2321	Basic Principles of Network Security	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.

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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	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	3
		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	3
		6
	Fall Semester	
COPR 2245	Networking I (A-Term)	5
COPR 2246	Networking II (B-Term)	5
POLS 1101	American Government in World Perspective	3
		13

	Spring Semester	
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 – (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):
  Networking I - 70-270 and 70-290
  Networking II – 70-291
  Networking III – 70-293
  Enterprise Messaging - 70-284

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).

	Summer Semester	**Sem. Hrs.**
COPR 2250	Computer Systems Support I	3
COPR 2251	Computer Systems Support II	3
		6
	Fall Semester	
COPR 2244	Introduction to Networking	4
COPR 2245	Networking I (A-term)	5
COPR 2246	Networking II (B-term)	5
		14
	Spring Semester	
COPR 2301	Networking III	5
COPR 2328	Enterprise Messaging (B-term)	5
		10
	Summer Semester	
COPR 2291	Fundamentals of UNIX	3
COPR 2321	Basic Principles of Network Security	3
		6
	One-Year Total	**36**

*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 Messagin – 70-284

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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.

	Fall Semester	**Sem. Hrs.**
COPR 2244	Introduction to Networking	4
COPR 2250	Computer Systems Support I	3
* Electives		8 -9
		15-16

	Spring Semester	**Sem. Hrs.**
COPR 2245	Networking I	5
COPR 2251	Computer Systems Support II	3
*Electives		7 -8
		15 -16

	One-Year Total	**30-32**

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

Web Version

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*		14-17
	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.**

	First Semester	**Sem.Hrs.**
*Electives	Any technology course	12
CISM 2201	Fundamentals of Computer Applications	3
		15

	Second Semester	**Sem. Hrs.**
*Electives	Electives approved by advisor	15
	One-Year Total	**30**

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