



**ASSOCIATE OF APPLIED SCIENCE COURSES  
2009-2010 Catalog Year**

Specific programs may designate or limit course options. The General Education requirements for certain programs may exceed 16 credit minimum.

**COMMUNICATIONS (6 CREDITS)**  
*See specific program requirements*

**MATHEMATICS (3-4 CREDITS)**  
*See specific program requirements*

**DISCIPLINE STUDIES (7 CREDITS)**--unless otherwise noted in a program description, students must take one course from Physical and Biological Sciences and one course from either Arts and Humanities or Social and Behavioral Sciences.

**ARTS AND HUMANITIES**

ART 101 Understanding Art  
ART 115 Art History I  
ART 116 Art History II  
ENL 220 World Literature I  
ENL 221 World Literature II  
ENL 224 English Literature I  
ENL 225 English Literature II  
HUM 150 Humanities—Western World I  
HUM 151 Humanities—Western World II  
MUS 150 Music Appreciation  
PHL 101 Introduction to Philosophy  
PHL 105 Introduction to Ethics  
SPT 130 Introduction to Theatre  
SPT 150 Introduction to Film  
SPT 155 History of Television

**PHYSICAL AND BIOLOGICAL SCIENCES**

BIO 100 Biology Concepts  
BIO 105 Environmental Biology  
BIO 160 Intro to Human Anatomy & Physiology  
BIO 181 General Biology I  
BIO 182 General Biology II  
BIO 201 Human Anatomy and Physiology I  
BIO 202 Human Anatomy and Physiology II  
CHM 130 Fundamental Chemistry  
CHM 151 General Chemistry I  
CHM 152 General Chemistry II  
GEO 111 Physical Geography  
GLG 101 Introduction to Geology I—Physical  
GLG 102 Introduction to Geology II—Historical  
PHY 113 General Physics I  
PHY 114 General Physics II

**SOCIAL AND BEHAVIORAL SCIENCES**

ANT 102 Cultural Anthropology  
BUS 140 Principles of Economics—Macro  
BUS 141 Principles of Economics—Micro  
GEO 110 World Regional Geography  
HIS 105 U.S. History to 1877  
HIS 106 U.S. History Since 1877  
HIS 155 Western Civilization to 1700  
HIS 156 Western Civilization Since 1700  
POS 110 American Government  
PSY 101 Introduction to Psychology  
PSY 200 Psychology of Adjustment  
PSY 240 Developmental Psychology  
SOC 120 General Sociology  
SOC 121 Social Problems in America  
SOC 130 Racial, Ethnic and Gender Relations  
SOC 225 Sociology of the Family

**COMPUTER INFORMATION SYSTEMS REQUIRED ELECTIVES** – In addition to the area of specialization core requirements, student must complete 18 -20 unduplicated credits from the following courses:

AIS 100 Keyboarding	CIS 115 Introduction to Graphic Communication	CIS 217 Java Programming, Introductory
AIS 145 Microsoft Word for Windows	CIS 118 Graphics, Interactive and Animated	CIS 226 Programming in C++
AIS 170 Written Business Communications	CIS 119 Page Layout and Design	CIS 243 Database-Driven Web Sites
BUS 110 Small Business Management	CIS 125 Effective Communication with Digital Media	CIS 245 Database Management and Concepts
BUS 112 Fundamentals of Bookkeeping for Business	CIS 150 Digital Culture	CIS 250 Electronic Commerce
<b>OR</b>		
BUS 117 Principles of Accounting I-Financial	CIS 161 Microsoft Operating System	CIS 265 Web Programming
	CIS 168 Web Authoring Tools	CIS 275 Web Server Administration
BUS 128 Spreadsheet Applications for Business	CIS 171 GNU Linux Operating System	CIS 280 Systems Analysis and Design
BUS 129 Database Applications for Business	CIS 183 Introduction to Internet	CIS 295 Applied Project for CIS
CIS 100 Survey of Computer Information Systems	CIS 187 Introduction to Web Development	CIS 298 Portfolio
CIS 103 Introduction to Windows	CIS 198 Internship	CIS 299 Special Projects
CIS 111 Introduction to Programming	CIS 199 Workshop	Any CTP Course
CIS 114 Introduction to Multimedia	CIS 200 BASIC Programming	