## I. GENERAL EDUCATION REQUIREMENTS (16-17 CRS)

<table>
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<tr>
<th>CRS</th>
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### OR

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<tr>
<td>ENL 109</td>
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### PHYSICAL & BIOLOGICAL SCIENCES

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### ARTS & HUMANITIES

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### MATHEMATICS (3-4 CRS)

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### OR

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### SOCIAL & BEHAVIORAL SCIENCES

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## II. DISCIPLINE STUDIES (7 CRS)

### PHYSICAL & BIOLOGICAL SCIENCES

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### ARTS & HUMANITIES

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## III. CORE REQUIREMENTS (30 CRS)

### COMPUTER INFORMATION SYSTEMS

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### REQUIRED ELECTIVES (18 CRS)

In addition to the area of specialization core requirements, student must complete 18 unduplicated credits from the List of Required Electives.

## NPC Advising Checksheet - Minimum of 64-65 Credits

The Associate of Applied Science (AAS) Degree is designed for specialization in vocational or technical fields and requires completion of a minimum of 64 credits with a cumulative grade point average of 2.0 on a 4.0 scale.
ASSOCIATE OF APPLIED SCIENCE COURSES
2011-2012 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
BIO 105 Principles of Economics—Macro
BIO 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
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

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

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 170 Written Business Communications
BUS 110 Small Business Management
BUS 112 Fundamentals of Bookkeeping for Business
BUS 117 Principles of Accounting I-Financial
CIS 103 Introduction to Windows
CIS 105 Computer Applications and Information Technology
CIS 111 Introduction to Programming
CIS 116 Introduction to Graphic Communication Technology
CIS 117 Two-Dimensional Computer Design
CIS 118 Graphics, Interactive and Animated
CIS 119 Page Layout and Design
CIS 125 Effective Communication with Digital Media
CIS 141 Managing and Maintaining Your PC I (A+)
CIS 142 Managing and Maintaining Your PC II (A+)
CIS 145 Network+ Certification Preparation
CIS 150 Digital Culture
CIS 155 Managing and Maintaining Your PC I (A+)
CIS 161 Microsoft Operating System
CIS 168 Web Authoring Tools
CIS 171 GNU Linux Operating System
CIS 183 Introduction to Internet
CIS 198 Internship
CIS 199 Workshop
CIS 200 BASIC Programming
CIS 217 Java Programming, Introductory
CIS 226 Programming in C++
CIS 243 Database-Driven Web Sites
CIS 250 Electronic Commerce
CIS 265 Web Programming
CIS 275 Web Server Administration
CIS 280 Systems Analysis and Design
CIS 298 Portfolio
CIS 299 Special Projects