

Northland Pioneer College
ASSOCIATE OF APPLIED SCIENCE (A.A.S.)
COMPUTER INFORMATION SYSTEMS - Web Development
 2009-2010 Catalog Year
NPC Advising Checklist - Minimum of 64-65 Credits

Name:	Student ID:
Advisor Name:	Date:

I. GENERAL EDUCATION REQUIREMENTS (16-17 CRS)				II. DISCIPLINE STUDIES (7 CRS)			
	CRS	GR	SEM		CRS	GR	SEM
COMMUNICATIONS (6 CRS)				PHYSICAL & BIOLOGICAL SCIENCES			
ENL 101	3				4		
ENL 102	3						
<i>OR</i>				ARTS & HUMANITIES			
ENL109	3				3		
				<i>OR</i>			
MATHEMATICS (3-4 CRS)				SOCIAL & BEHAVIORAL SCIENCES			
MAT112	3						
<i>OR</i>							
MAT121	4				3		

III. CORE REQUIREMENTS (30 CRS)				IV. REQUIRED ELECTIVES (18 CRS)			
AREA OF SPECIALIZATION:				In addition to the area of specialization core requirements, student must complete 18 unduplicated credits from the List of Required Electives.			
COMPUTER INFORMATION SYSTEMS							
	CRS	GR	SEM		CRS	GR	SEM
CIS 100	3						
CIS 111	3						
CIS 150	3						
CIS 187	3						
CIS 243	3						
CIS 250	3						
CIS 265	3						
CIS 275	3						
CIS 280	3						
CIS 295	3						

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
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
OR	CIS 161 Microsoft Operating System	CIS 265 Web Programming
BUS 117 Principles of Accounting I-Financial	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	