

**Northland Pioneer College**  
**ASSOCIATE OF APPLIED SCIENCE (AAS)**  
**COMPUTER TECHNOLOGY - Cisco Network Technician**  
 2009-2010 Catalog Year  
*NPC Advising Checksheet - Minimum of 64-65 Credits*

<b>Student Name:</b>	<b>Student ID:</b>
<b>Advisor Name:</b>	<b>Date:</b>

I. GENERAL EDUCATION REQUIREMENTS (16-17 CRS)				II. DISCIPLINE STUDIES (7 CRS)			
	CRS	GR	SEM		CRS	GR	SEM
<b>COMMUNICATIONS (6 CRS)</b>				<b>PHYSICAL &amp; BIOLOGICAL SCIENCES</b>			
ENL 101	3				4		
ENL 102	3						
<i>OR</i>				<b>ARTS &amp; HUMANITIES</b>			
ENL 109	3				3		
<i>OR</i>				<i>OR</i>			
SPT 120	3			<i>OR</i>			
<b>MATHEMATICS (3-4 CRS)</b>				<b>SOCIAL &amp; BEHAVIORAL SCIENCES</b>			
MAT112	3				3		
<i>OR</i>							
MAT121	4						

III. CORE REQUIREMENTS (18 CRS)				IV. REQUIRED ELECTIVES (12 CRS)			
Common CTP Core Requirements:				Complete a minimum of 12 unduplicated program credits from the following:			
	CRS	GR	SEM		CRS	GR	SEM
CIS100	3			CTP 213	3		
CIS 111	3			CTP 273	3		
ELC110	3			CTP 214	3		
ELC111	3			CTP 274	3		
ELC140	3			CTP 215	3		
One 3-credit CIS programming language course.	3			CTP 275	3		
				CTP 216	3		
				CTP 276	3		
				CTP 219	3		
				CTP 279	3		
<b>AREA OF SPECIALIZATION (18 CRS)</b>							
<b>CISCO NETWORK TECHNICIAN</b>							
CTP 210	3						
CTP 211	3						
CTP 218	3						
CTP 270	3						
CTP 271	3						
CTP 278	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 TECHNOLOGY REQUIRED ELECTIVES** – A course may be used only once (unduplicated credits) toward the total program requirements.

CIS 100 Survey of Computer Information Systems	CTP 186 Networking Protocols III	CTP 252 Computer Peripheral Diagnosis and Repair
CIS 111 Introduction to Programming	CTP 187 Wireless Access Technologies	CTP 253 Network Hardware Installation and Maintenance
CIS 200 BASIC Programming	CTP 220 Internet/Intranet Design and Implementation Concepts	CTP 260 Introduction to UNIX
CIS 217 JAVA Programming, Introductory	CTP 221 MS-Internet Information WEB Server Administration	CTP 266 Supporting Solaris 9 UNIX
CIS 225 Programming in C Language	CTP 222 Microsoft Exchange Server 2000	CTP 267 Supporting Red Hat Linux
CIS 226 Programming in C++	CTP 223 Microsoft SQL Server 2000	CTP 268 Linux+ Certification Preparation
CTP 150 Computer Setup and Repair for Home and Business	CTP 243 Windows Server Support I	ELC 106 Telephony, Cabling and Networking I
CTP 151 Computer Troubleshooting A+ Hardware	CTP 244 Windows Server Support II	ELC 107 Telephony, Cabling and Networking II
CTP 152 Computer Troubleshooting A+ OS	CTP 245 Windows Server Support III	ELC 110 DC Analysis and Laboratory
CTP 180 Networking and Communications I	CTP 246 Supporting Windows XP	ELC 111 AC Analysis and Laboratory
CTP 181 Networking and Communications II	CTP 247 Implementing and Supporting Microsoft Windows 95	ELC 140 Semiconductor Theory and Laboratory
CTP 182 Wide Area Networks	CTP 248 Implementing and Supporting Microsoft Windows 98	ELC 141 Electronic Circuits Theory and Laboratory
CTP 183 Fast Packet Technology	CTP 249 Microsoft Networking Essentials	ELC 210 Digital Theory and Laboratory
CTP 184 Networking Protocols I	CTP 250 Computer Repair I	ELC 245 Microprocessor Theory and Laboratory