

Northland Pioneer College
ASSOCIATE OF APPLIED SCIENCE (AAS)
INDUSTRIAL MAINTENANCE & OPERATIONS - Instrumentation
2012-2013 Catalog Year
NPC Advising Checksheet - Minimum of 64 Credits

Student Name:	Student ID:
Advisor Name:	Date:

I. GENERAL EDUCATION REQUIREMENTS (19 CRS)				CRS	GR	SEM
COMMUNICATIONS (6 CRS)						
ENL 101	3					
<i>AND</i>						
ENL 102	3					
<i>OR</i>						
ENL 109	3					
MATHEMATICS (3 CRS)						
MAT 101	3					
<i>OR</i>						
MAT 109	3					
<i>OR</i>						
	Any Mathematics class for which MAT 109 is a prerequisite.					

PHYSICAL & BIOLOGICAL SCIENCES (4 CRS)				CRS	GR	SEM
Any one course from the AAS Discipline Studies list of Physical and Biological sciences.				4		
ARTS & HUMANITIES (3 CRS)						
Any one course from the AAS Discipline Studies list of Arts and Humanities courses.				3		
COMPUTER SCIENCE (3 CRS)						
CIS 106				3		

III. CORE REQUIREMENTS (28 CRS)				V. UNRESTRICTED ELECTIVES (2 CRS)		
AREA OF SPECIALIZATION:				Any unduplicated 100 or higher level courses.		
INSTRUMENTATION				CRS	GR	SEM
	CRS	GR	SEM			
IMO 155	7					
IMO 156	7					
IMO 157	7					
IMO 158	7					
IV. REQUIRED ELECTIVES (15 CRS)						
Student must complete 15 credits from the following list:						
AIS 114	3					
AIS 231	3					
BUS 103	2					
BUS 105	3					
IMO (any unduplicated 100 or higher level courses.)						

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
2012-2013 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 check sheet for specific AAS degree requirements.

MATHEMATICS (3-4 CREDITS)

See check sheet for specific AAS degree 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
ENL 230 American Literature I
ENL 231 American Literature II
HUM 150 Humanities—Western World I
HUM 150 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
ANT 120 Buried Cities and Lost Tribes
BUS 140 Principles of Economics—Macro
BUS 141 Principles of Economics—Micro
GEO 110 World Regional Geography
GEO 120 Human 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

INDUSTRIAL MAINTENANCE & OPERATIONS REQUIRED ELECTIVES - Student must complete a minimum of 15 credits from the following:

AIS 114 Introduction to Modern Office
AIS 231 Introduction to Microsoft Office
BUS 103 Success on Your Job
BUS 105 Techniques of Supervision
IMO (any unduplicated 100 or higher level courses)