

# **Industrial Maintenance and Operations (IMO)**

Industrial Plant Operations Associate of Applied Science (AAS) Degree

	Direct to
•	\$
	Work

Name:	
ID#:	

<b>Program Requirements</b>				
GPA2.0				
Credits64				

### Advising Check Sheet, 2016-17 Catalog

The Industrial Maintenance & Operations program prepares students to be technicians and operators capable of understanding the entire system with which they work.

	Core Courses 24 Credits	Areas	Courses
Areas	Courses	Physical &	(Each course is worth 4 credits)
Core Courses  Required: All	Te Courses  (Each course is worth 6 credits)  IMO 208 Introduction to Energy Generation and Distribution  IMO 211 Power Principles II  IMO 212 Power Principles III  IMO 213 Power Principles IV		□ ANT 104 Biological Anthropology & Human Origins □ BIO 100 Biology Concepts □ BIO 105 Environmental Biology □ BIO 160 Introduction to Human Anatomy& Physiology □ BIO 181 General Biology I □ BIO 182 General Biology II □ **CHM 130 Foundational Chemistry **CHM 151 General Chemistry I
Complete			☐ CHM 152 General Chemistry II ☐ GEO 111 Physical Geography
	General Education Courses 19 Credits		GLG 101 Introduction to Geology I – Physical Geology
English  Required: 6-Credits  Complete □	(Each course is worth 3 credits)  □ ENL 101 College Composition I  Plus one of the following:  □ ENL 102 College Composition II □ ENL 109 Technical Writing		□ GLG 102 Introduction to Geology II −Historical Geology □ PHY 113 General Physics I □ PHY 114 General Physics II  **CHM 130 and CHM 151 cannot be taken together to
	□ SPT 110 Fundamentals of Oral Communication □ SPT 120 Public Speaking		satisfy the 8-credit requirement.
Math  Required: 3-Credits Complete MAT 101 Basic Technical Math MAT 109 Algebra I: Introductory MAT 112 Algebra II: Intermediate MAT 125 Introduction to Statistics MAT 142 College Math with Con App		Computer Science  Required: 3-Credits  Complete	☐ CIS 105 Computer Applications and Information Technology
	<ul><li>□ MAT 152 Advanced Algebra</li><li>□ MAT 161 Algebra Based Math EE I</li></ul>		Elective Courses 21 Credits
	<ul> <li>□ MAT 162 Algebra Based Math EE II</li> <li>□ MAT 189 Pre-Calculus Algebra/Trig</li> <li>□ MAT 211 Technical Calculus (4 credits)</li> </ul>	Required Electives	Select a minimum of 15 credits from any unduplicated IMO courses at 100 or higher level:
	<ul> <li>□ MAT 221 Calculus I (4 credits)</li> <li>□ MAT 231 Calculus II (4 credits)</li> <li>□ MAT 241 Calculus III (4 credits)</li> </ul>	Required: 15-Credits Complete □	☐ Course: ☐ Course: Or choose from the following courses: ☐ BUS 103 Success on Your Job (2 credits)
Arts & Humanities	☐ MAT 231 Calculus II (4 credits) ☐ MAT 241 Calculus III (4 credits)  (Each course is worth 3 credits) ☐ ART 101 Understanding Art	15-Credits	Or choose from the following courses:
	☐ MAT 231 Calculus II (4 credits) ☐ MAT 241 Calculus III (4 credits)  (Each course is worth 3 credits)	15-Credits	□ Course: Or choose from the following courses: □ BUS 103 Success on Your Job (2 credits) □ BUS 105 Techniques of Supervision (3 credits) □ BUS 144 Professional Office Skills (3 credits)

If you are a student with a disability and need accommodations, please contact the **Disability Resource and Access** office located at the White Mountain Campus. The coordinator, Sandy Manor, travels to all NPC campuses and centers.

An appointment can be scheduled to meet with her by calling (800) 266-7845, ext. 6178.

## **Suggested Semester Plan of Study**

(complete your degree in two years)

Semester 1		Credits	Semester 2		Credits	
ENL 101		3	Communications		3	
MAT 101 or 109 & higher		3	Arts & Humanities		3	
IMO 208		6	IMO 211			6
Summer Term BUS 102				2		

Summer Term	BUS 103	3	
	BUS 144	2	

Semester :	3	Credits	Sem	ester 4	Credits
IMO 212		6	IMO 213		6
Physical & Biological Science		4	Required Elec	ctive	4
CIS 105		3	Elective		3
			Elective		3
Summer Term	BUS 105			3	

3

## Your Semester Plan of Study

Semester 1	Credits	Semester 2	Credits
Semester 3	Credits	Semester 4	Credits
Semester 3	Credits	Semester 4	Credits
Semester 3	Credits	Semester 4	Credits
Semester 3	Credits	Semester 4	Credits
Semester 3	Credits	Semester 4	Credits

## **Important Dates to Remember:**

#### Fall 2016 Semester:

April 11 Schedule available online. April 15 FAFSA priority deadline.

**BUS 231** 

April 22 Veterans Priority Registration Day.

April 25 Registration begins at 7:30 a.m.

July 29 Last day for schedule changes for FAFSA.

August 5 Financial Aid award available to students.

August 22 Fall semester begins.

September 2 Last day to withdraw without a "W" on transcript.

October 4 Fall Graduation Application deadline.

#### Spring 2017 Semester:

October 15 FAFSA Priority Deadline. November 14 Schedule available online.

November 21 Veterans Priority Registration Day.
November 28 Registration begins at 7:30 a.m.
December 16 Last day for schedule changes for FA

December 16 Last day for schedule changes for FAFSA.
December 23 Financial Aid award available to students.

January 17 Spring semester begins.

January 30 Last day to withdraw without a "W" on transcript.

February 21 Spring Graduation Application deadline.

#### Summer 2017 Semester:

March 13 Schedule available online.

March 15 FAFSA Priority Deadline.

March 24 Veteran Priority Registration Day.

March 27 Registration begins at 7:30 a.m.

June 5 Summer semester begins

June 6 Last day to withdraw without a "W" on transcript.

## **Additional Semesters as Needed**

Semester 5	Credits	Semester 6	Credits
Semester 7	Credits	Semester 8	Credits
Semester 7	Credits	Semester 8	Credits
Semester 7	Credits	Semester 8	Credits
Semester 7	Credits	Semester 8	Credits
Semester 7	Credits	Semester 8	Credits

Total Estimated Program Cost	Cost
Tuition	\$4,480.00
Fees	\$600.00 - \$700.00
Books	\$ 1,400.00 - \$3,000.00
TOTAL:	\$6,480.00 - \$8,180.00

<sup>\*</sup>Tuition, fees and books subject to change without notice. Estimate for 2015-16 and 2016-17 academic years.

#### **Helpful Definitions and Websites**

- See the cost savings in just tuition by completing the first two years of your bachelor's degree at NPC at www.npc.edu/transferU
- Find out more about NPC transfer agreements with other colleges and universities at www.npc.edu/transfer-agreements
- Learn all about Arizona's guaranteed transfer degrees to ASU, NAU and UofA at www.aztransfer.com
- NPC's college catalog is available online at www.npc.edu/college-catalog or from any campus or center adviser.
- Articulation: the process of determining the transfer and applicability of courses from one institution of higher education to another.
- <u>Course Equivalency Guide</u>: shows how community college courses transfer to the three state universities. It also has many equivalencies among the three state universities. It does <u>NOT</u> indicate how a course transfers to a specific degree program. Course equivalencies are "year specific" meaning that in order to see if course work will transfer, you must review the Course Equivalency Guide for the year in which you took the course.