Mechatronics (MET)-Industrial Electrical, Motors & PLC's
Certificate of Applied Science (CAS)

Direct to Work

Name: _____	**Program Requirements**
ID#: _____	GPA...2.0
	Credits.......................................29

Advising Check Sheet, 2017-18 Catalog
Mechatronics work combines mechanical technology with electrical and electronic circuitry. This program is designed to prepare students for careers in a number of diversified manufacturing fields.

Core Courses 23 Credits

Areas	Courses
Core Courses **Required: All** Complete ☐	**(Each course is worth 4 credits unless noted)** ☐ MET 130 Industrial Electrical Systems ☐ MET 140 Introduction to Programmable Logic Controllers ☐ MET 160 Rotating Electrical Machines ☐ MET 200 Robotics and Motion Control (3 credits) ☐ MET 210 Process Control and Instrumentation ☐ MET 220 Advanced Programmable Logic Controllers

General Education Courses 6 Credits

Areas	Courses
English **Required: 3-Credits** Complete ☐	**(Each course is worth 3 credits)** ☐ ENL 101 College Composition I
Math **Required: 3-Credits** Complete ☐	**(Each course is worth 3 credits unless noted)** ☐ 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 ☐ MAT 152 Advanced Algebra ☐ MAT 161 Algebra Based Math EE I ☐ MAT 162 Algebra Based Math EE II ☐ MAT 189 Pre-Calculus Algebra/Trig ☐ MAT 211 Technical Calculus (4 credits) ☐ MAT 221 Calculus I (4 credits) ☐ MAT 231 Calculus II (4 credits) ☐ MAT 241 Calculus III (4 credits)

Total Credits _____

Suggested Semester Plan of Study

Semester 1	Credits	Semester 2	Credits

Semester 3	Credits	Semester 4	Credits

Your Semester Plan of Study

Semester 1	Credits	Semester 2	Credits

Semester 3	Credits	Semester 4	Credits

Total Estimated Program Cost	Cost
Tuition (2017)	$2088.00
Fees	$
Books	$
TOTAL:	$

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

Important Dates to Remember:

Fall 2017 Semester:

April 10	Schedule available online.
April 15	FAFSA priority deadline.
April 21	**Veterans Priority Registration Day.**
April 24	**Registration begins at 7:30 a.m.**
July 28	Last day for schedule changes for FAFSA.
August 4	Financial Aid award available to students.
August 21	**Fall semester begins.**
September 1	Last day to withdraw without a "W" on transcript.
October 3	Fall Graduation Application deadline.

Spring 2018 Semester:

October 15	FAFSA Priority Deadline.
November 13	Schedule available online.
November 20	**Veterans Priority Registration Day.**
November 27	**Registration begins at 7:30 a.m.**
December 15	Last day for schedule changes for FAFSA.
December 22	Financial Aid award available to students.
January 16	**Spring semester begins.**
January 29	Last day to withdraw without a "W" on transcript.
February 20	Spring Graduation Application deadline.

Summer 2018 Semester:

March 13	Schedule available online.
March 15	FAFSA Priority Deadline.
March 23	**Veteran Priority Registration Day.**
March 26	**Registration begins at 7:30 a.m.**
June 4	**Summer semester begins**
June 5	Last day to withdraw without a "W" on transcript.

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.

- Course Equivalency Guide: shows how community college courses transfer to the three state universities. It also has many equivalencies among the three state universities. It does NOT 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.

- Course Prefix: generally three or four characters identifying a department or division in which a course is taught *(example: SOC is commonly used for Sociology courses)*

- Prerequisites: a course that must be completed prior to taking a subsequent course.

- SUN#: the Shared Unique Number (SUN) System identifies some of the transferable lower-division courses commonly offered at the three Arizona public universities and at least two Arizona community colleges. The system ensures that a SUN course at a participating institution will be accepted as a direct equivalent to the comparable SUN course at the other participating institution.