**Program Requirements**

GPA: 2.0

Credits: 29

---

### Core Courses 23 Credits

**Areas**

**Core Courses**

(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

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### General Education Courses 6 Credits

**English**

(Each course is worth 3 credits)

- ENL 101 College Composition I

**Math**

(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)

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**Total Credits:**

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### Total Estimated Program Cost

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<tr>
<th>Description</th>
<th>Cost</th>
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<tr>
<td>Tuition (2017)</td>
<td>$2088.00</td>
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<tr>
<td>Fees</td>
<td>$</td>
</tr>
<tr>
<td>Books</td>
<td>$</td>
</tr>
<tr>
<td><strong>TOTAL:</strong></td>
<td>$</td>
</tr>
</tbody>
</table>

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

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*Advising Check Sheet, 2017-18 Catalog*

Mechatronics combines mechanical technology with electrical and electronic circuitry. This program is designed to prepare students for careers in a number of diversified manufacturing fields.

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**Suggested Semester Plan of Study**

<table>
<thead>
<tr>
<th>Semester 1</th>
<th>Credits</th>
<th>Semester 2</th>
<th>Credits</th>
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<table>
<thead>
<tr>
<th>Semester 3</th>
<th>Credits</th>
<th>Semester 4</th>
<th>Credits</th>
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<tbody>
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**Your Semester Plan of Study**

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</tbody>
</table>

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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.

SEE REVERSE SIDE FOR MORE INFORMATION
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](http://www.npc.edu/transferU)
- Find out more about NPC transfer agreements with other colleges and universities at [www.npc.edu/transfer-agreements](http://www.npc.edu/transfer-agreements)
- Learn all about Arizona’s guaranteed transfer degrees to ASU, NAU and UofA at [www.aztransfer.com](http://www.aztransfer.com)
- NPC’s college catalog is available online at [www.npc.edu/college-catalog](http://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.

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.