

Northland Pioneer College

EXPANDING MINDS • TRANSFORMING LIVES

Automotive Technology

Certificate of Applied Science (CAS)



Advising Check Sheet, 2018-19 Catalog

The CAS focuses on employment skills to prepare you for your career in a selected field. However, rather than taking the full spectrum of general education courses required to earn the Associate of Applied Science (AAS) degree, the CAS requires a specified minimum number of credits in your area of subject specialization and just six pre-determined units of general education.

Suggested Semester Plan of Study

(complete your certificate in three semesters)

Semester 1	Credits	Semester 2	Credits
ATO 103	2	ATO 107	3
ATO 207	3	ATO 108	2
ATO 208	3	ATO 109	3
ATO 209	3	ATO 110	3
MATH	3	ENGLISH	3
Semester 3	Credits	*Courses may have a pre-r	equisite.
ATO 111	3	please see an advise	•

Your Semester Plan of Study

Semester 1	Credits	Semester 2	Credits
Semester 3	Credits	Semester 4	Credits
Semester 5	Credits	Semester 6	Credits

Courses over 8 years old may be reevaluated for this program

Name:	Program Requirements
ID#:	GPA2.0 Credits

General Education Courses 6 Credits Areas Courses English/Com. (Each course is worth 3 credits) Required:
English/Com. (Each course is worth 3 credits) Required: - 3-Credits - Complete - Math (Each course is worth 3 credits unless noted) Required: - 3-Credits - Math (Each course is worth 3 credits unless noted) Required: - 3-Credits - MAT 101 Basic Technical Math Complete - MAT 103 Business Mathematics 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 231 Calculus I (4 credits) MAT 241 Calculus III (4 credits)
Required: Image: Composition Provided
3-Credits Complete Math (Each course is worth 3 credits unless noted) Required: 3-Credits MAT 101 Basic Technical Math Complete MAT 103 Business Mathematics MAT 109 Algebra I: Introductory MAT 112 Algebra II: Intermediate MAT 125 Introduction to Statistics 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 231 Calculus II (4 credits) MAT 241 Calculus III (4 credits)
Math (Each course is worth 3 credits unless noted) Required: BUS 133 Business Mathematics 3-Credits MAT 101 Basic Technical Math Complete MAT 103 Business Mathematics MAT 109 Algebra I: Introductory MAT 112 Algebra II: Intermediate MAT 125 Introduction to Statistics MAT 152 Advanced Algebra MAT 161 Algebra Based Math EE I MAT 162 Algebra Based Math EE I MAT 189 Pre-Calculus Algebra/Trig MAT 211 Technical Calculus (4 credits) MAT 231 Calculus II (4 credits) MAT 241 Calculus III (4 credits)
Required: BUS 133 Business Mathematics 3-Credits MAT 101 Basic Technical Math Complete MAT 103 Business Mathematics MAT 109 Algebra I: Introductory MAT 112 Algebra II: Intermediate MAT 125 Introduction to Statistics MAT 142 College Math with Con App MAT 161 Algebra Based Math EE I MAT 162 Algebra Based Math EE I MAT 189 Pre-Calculus Algebra/Trig MAT 221 Calculus I (4 credits) MAT 241 Calculus III (4 credits) MAT 241 Calculus III (4 credits)
3-Credits MAT 101 Basic Technical Math Complete MAT 103 Business Mathematics MAT 109 Algebra I: Introductory MAT 112 Algebra II: Intermediate MAT 125 Introduction to Statistics MAT 142 College Math with Con App 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 231 Calculus II (4 credits) MAT 241 Calculus III (4 credits)
Core Courses 25 Credits
Core (Each course is worth 3 credits unless noted)
Courses ATO 103 Safety and Hazardous Materials (2 credits) ATO 107 Engine Repair I ATO 107 Engine Repair I ATO 108 Engine Repair II (2 credits) ATO 109 Engine Performance I 25-credits ATO 110 Engine Performance II Complete ATO 111 Engine Performance III ATO 207 Electrical and Electronic Systems I ATO 209 Electrical and Electronic Systems II
Total Credits

Total Estimated Program Cost	Cost
Tuition (2018)	\$2294.00
Fees	\$810.00
Books	\$580.00 - \$620.00
TOTAL:	\$3684.00 - \$3724.00

*Tuition, fees and books subject to change without notice. Total is an Estimate.

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.

Important Dates to Remember:

Fall 2018 Semester:

April 9	Schedule available online
April 16	Veterans Priority Registration Day.
April 23	Registration begins at 7:30 a.m.
August 20	Fall semester begins.
August 31	Last day to withdraw without a "W" on transcript.
September 3	Labor Day College Closed
October 2	Fall Graduation Application deadline.

Spring 2019 Semester:

November 13	Schedule available online.
November 19	Veterans Priority Registration Day.
November 26	Registration begins at 7:30 a.m.
January 14	Spring semester begins
February 20	Spring Graduation Application deadline.
March 11-14	Spring Break
May 11	Graduation
May 11	Graduation

Summer 2019 Semester:

March 11	Schedule available online
March 18	Veteran's Priority Deadline
March 23	Summer Registration begins at 730 am
June 3	Summer session Begins
June 4	Last day to withdraw without a "W" on transcript

Http:npc.edu/academic-calendar

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.
- <u>Articulation</u>: 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.
- <u>Course Prefix</u>: generally three or four characters identifying a department or division in which a course is taught (example: SOC is commonly used for Sociology courses)
- <u>Prerequisites</u>: a course that must be completed prior to taking a subsequent course.
- <u>SUN#</u>: 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.