

Automotive Power Sports, A.A.S.

The AAS in Automotive Power Sports is designed to train technicians in the field of maintenance and repair of personal transportation craft and multi person transportation vehicles that are currently outside the realm of automotive. The degree includes: on road alternative vehicles (side by sides), personal watercraft, All Terrain Vehicle (ATV) and Utility Terrain Vehicle (UTV), snow machines, lawn and garden systems, and motorcycle technology. Graduates will gain an in-depth understanding of alternative transportation vehicles utilizing hands-on, performance based training. A sales and service business skills course will also aid students to acclimate from school training to a live repair facility. Students will receive training in four-stroke and two-stroke engines, continuous variable transmissions (CVT), suspension and braking systems, composite repairs, and small engine electronic systems.

Program Requirements

Code	Title	Credit Hours
Total Credit Hours		63
General Education Requirements		17 Credits
AUT 1260 or MAT 1010	Tech Math for Mechanics Intermediate Algebra	3
Complete one of the following:		3
MKTG 220G	Written Business Communication GI WE (3)	
ENGL 1010	Introduction to Academic Writing CC (3)	
ENGL 1005	Literacies and Composition Across Contexts CC (5)	
Any approved Behavioral Science, Social, or Political Science Distribution Course		3
Any approved Humanities, Fine Arts, or Foreign Language Distribution Course		3
Any approved Physical Education, Health, Safety, or Environment Course		2
Any approved Biology or Physical Science Distribution Course		3
Discipline Core Requirements		46 Credits
AUT 1110	Brake Systems	2
AUT 111L	Brake Systems Lab	1
AUT 1160	Automotive Electrical Systems	2
AUT 116L	Automotive Electrical Systems Lab	1
AUT 1170	Engine Electrical Systems	2
AUT 117L	Engine Electrical Systems Lab	1
AUT 1210	Steering and Suspension Systems	2
AUT 121L	Suspension and Steering Systems Lab	1
CRT 2400	Plastic Paintless Dent Repair	2
CRT 240L	Plastic PaintLess Dent Repair Lab	1
CRT 1230	Welding and Cutting	2
CRT 123L	Welding and Cutting Lab	1
PST 1110	Two Stroke Engine Systems	2
PST 1115	Two Stroke Engine Systems Lab	1
PST 1210	Four Stroke Small Engine Systems	2
PST 1215	Four Stroke Small Engine Systems Lab	1
PST 1120	Constant Velocity Transmissions and Drive Systems	2
PST 1125	Constant Velocity Transmissions and Drive Systems Lab	1
PST 2110	Snowmobile Systems	2
PST 2115	Snowmobile Systems Lab	1
PST 2120	ATV and UTV Systems	2
PST 2125	ATV and UTV Systems Lab	1
PST 2130	Small Motorcycles and Scooters	2
PST 2135	Small Motorcycles and Scooters Lab	1
PST 2230	Street and Sport Motorcycles	2
PST 2235	Street and Sport Motorcycle Lab	1

PST 2240	Outdoor Power Equipment	2
PST 2245	Outdoor Power Equipment Systems Lab	1
PST 2250	Personal Watercraft	2
PST 2255	Personal Watercraft Systems Lab	1
AUT 285R	Cooperative Correlated Class ¹	1

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Cooperative Education courses may be used in place of some of the laboratory or shop classes for completion of AAS requirements. Approval of the program coordinator must be secured before class enrollment.

Graduation Requirements

1. Completion of a minimum of 63 semester credits
2. Overall grade point average of 2.0 (C) or above. (Departments may require a higher GPA.)
3. Residency hours--minimum of 20 credit hours through course attendance at UVU
4. Completion of GE and specified departmental requirements

Graduation Plan

This graduation plan is a sample plan and is intended to be a guide. Your specific plan may differ based on your Math and English placement and/or transfer credits applied. You are encouraged to meet with an advisor and set up an individualized graduation plan in Wolverine Track (<http://www.uvu.edu/wolverinetrack/>).

First Year

Semester 1		Credit Hours
AUT 1160	Automotive Electrical Systems	2
AUT 116L	Automotive Electrical Systems Lab	1
PST 1110	Two Stroke Engine Systems	2
PST 1115	Two Stroke Engine Systems Lab	1
CRT 1230	Welding and Cutting	2
CRT 123L	Welding and Cutting Lab	1
PST 1210	Four Stroke Small Engine Systems	2
PST 1215	Four Stroke Small Engine Systems Lab	1
AUT 1260 or MAT 1010	Tech Math for Mechanics or Intermediate Algebra	3
Credit Hours		15
Semester 2		Credit Hours
PST 1120	Constant Velocity Transmissions and Drive Systems	2
PST 1125	Constant Velocity Transmissions and Drive Systems Lab	1
AUT 1170	Engine Electrical Systems	2
AUT 117L	Engine Electrical Systems Lab	1
AUT 1110	Brake Systems	2
AUT 111L	Brake Systems Lab	1
AUT 1210	Steering and Suspension Systems	2
AUT 121L	Suspension and Steering Systems Lab	1
Complete one of the following:		3
MKTG 220G	Written Business Communication GI WE	
ENGL 1010	Introduction to Academic Writing CC	
ENGL 1005	Literacies and Composition Across Contexts CC	
Credit Hours		15

Second Year

Semester 3		Credit Hours
PST 2110	Snowmobile Systems	2
PST 2115	Snowmobile Systems Lab	1
PST 2120	ATV and UTV Systems	2
PST 2125	ATV and UTV Systems Lab	1
PST 2130	Small Motorcycles and Scooters	2
PST 2135	Small Motorcycles and Scooters Lab	1
PST 2230	Street and Sport Motorcycles	2
PST 2235	Street and Sport Motorcycle Lab	1

Any approved Behavioral/ Social/ Political Science Gen Ed		3
Any approved Humanities/ Fine Arts/ Foreign Language Gen Ed		3
	Credit Hours	18
Semester 4		
PST 2240	Outdoor Power Equipment	2
PST 2245	Outdoor Power Equipment Systems Lab	1
CRT 2400	Plastic Paintless Dent Repair	2
CRT 240L	Plastic PaintLess Dent Repair Lab	1
PST 2250	Personal Watercraft	2
PST 2255	Personal Watercraft Systems Lab	1
AUT 285R	Cooperative Correlated Class	1
Any approved Physical/ Health/ Safety Gen Ed		2
Any approved Biology/ Physical Science Gen Ed		3
	Credit Hours	15
	Total Credit Hours	63

Program Learning Outcomes

1. Identify/diagnose/repair electrical and electronic systems
2. Identify/diagnose/repair 2 and 4 stroke engine mechanical systems
3. Identify/diagnose/repair nonstructural and structural components
4. Identify/diagnose/repair clutching and drive train systems
5. Identify/diagnose/repair cooling/heating systems
6. Identify/diagnose/repair steering suspension and brake systems
7. Identify/diagnose/repair varied fuel delivery systems