Iowa Western
caring commitment challenge

Diesel Technology

Why should I major in Diesel Technology?
Careers in diesel mechanics offer high wages and the challenge of skilled repair work. Diesel mechanics repair and maintain the diesel engines that power transportation equipment, such as heavy trucks, buses and locomotives. Iowa Western's program emphasizes all phases of the diesel truck, including engines, transmissions, drive axles and most importantly, the electronic system.

What type of degree will I earn at Iowa Western if I enroll in this program?
Graduates of this two-year program receive an Associate of Applied Science (AAS) degree. Other options include the one-year Diesel Mechanics program, which awards a diploma at graduation.

If I major in Diesel Technology, can I transfer to a four-year college or university?
With your two-year degree from Iowa Western, you will be able to enter directly into the work force and enter into advanced positions. However, if you chose to continue on for your bachelor's degree, your credits from Iowa Western can be transferred to area bachelor degree-granting institutions.

What is the job outlook for Diesel Technology graduates and what type of jobs will I be qualified for?
Many opportunities are available for the Diesel Technology graduate in the trucking, agricultural and heavy equipment industries. Employers nationwide are seeking skilled, competent mechanics familiar with diesel engines, power trains, air brakes, and electrical and diesel fuel injection systems. Besides a high rate of employment, students can expect higher-than-average starting wages between $12 and $15 an hour.

**For More Information,
contact the Admissions Office:
712.325.3277 or 800.432.5852, ext. 3277
or the Program Chair at 712.325.3369
*www.iwcc.edu***

Program of Study

The Diesel Technology program of study prepares students to be proficient diesel truck technicians having skills to be competitive in the diesel truck maintenance industry. Students study all phases of the diesel truck including engines, transmissions, drive axles, electrical systems, and auxiliary systems. Instruction includes a wide variety of theory classes and up-to-date practical experiences. Graduates of this program are awarded an Associate of Applied Science degree.

* Students must complete the curriculum described below:
* Students must complete 30 semester credit hours of laboratory courses or a minimum of 21 semester credit hours of lab and a maximum of 9 Diesel Technology internship semester credit hours or combination thereof.
* Internship must be approved by the program chair prior to registration for internship.

RECOMMENDED COURSE SEQUENCE

First Semester		**Cr.**
DSL 324	Introduction to Diesel	4
DSL 144	Electrical Systems	4
DSL 846	Diesel Lab I	1-6
	A.A.S. Mathematics Requirement *(MAT 110 or higher)*	3
		12-17

Second Semester		**Cr.**
DSL 654	Hydraulics/Air Brakes	4
DSL 674	Chassis/Driveline	4
DSL 856	Diesel Lab II	1-6
	A.A.S. Communications Requirement *(ENG 105, 110 or 111)*	3
		12-17

Summer Term I		**Cr.**
DSL 744	Air Conditioning/Refrigeration	4
DSL 863	Diesel Lab III	1-3
		5-7

Third Semester		**Cr.**
DSL 354	Engines I	4
DSL 444	Fuel Systems	4
DSL 876	Diesel Lab IV	1-6
MGT 195	Workplace Empowerment	3
		12-17

Fourth Semester		**Cr.**
DSL 364	Engines II	4
DSL 544	Transmissions/Drive Axle	4
DSL 886	Diesel Lab V AND/OR	1-6
DSL 896	Internship II	
	Social Science/Humanities Elective	3
		12-17

Summer Term II		**Cr.**
DSL 893	Diesel Lab VI AND/OR	1-3
DSL 895	Internship I	
		1-3

78 semester hours required

04/09