

Note: Course Dates indicate Beginning and Ending Dates

M=Monday, T=Tuesday, W=Wednesday, R=Thursday, F=Friday, S=

CRN	Instructor	Days	Time	Room	D	CRN	Instructor	Days	Time	Room	D
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### Automotive - Auto, Lt Truck

#### AUTO 101 Fundamentals of Automotive Service, Diagnosis and Repair 5 Units

Strongly recommended: ENGL 099 or READ 099 if required by English placement exam or if required by English level.  
 Intended for automotive majors, this class serves as the pre-requisite for all automotive certificate and/or degree-applicable courses. Automobiles and light trucks will be explored from the point of view of the service technician. Scientific principles and operation of essential automotive technologies are central to the course goal of preparing students for entry into the automotive core curriculum. Appropriate lab activities in automobile inspection, service and repair are included. 72 lecture hours, 54 lab hours. CSU

20928	Bender, T.	MT	08:00 AM-10:05 AM	TE 103	08/27-12/17
	Bender, T.	MT	10:05 AM-11:30 AM	AA 101	08/27-12/17
20929	Gonzalez, J.	WR	08:00 AM-10:05 AM	TE 103	08/27-12/17
	Gonzalez, J.	WR	10:10 AM-11:30 AM	AA 101	08/27-12/17
20930	Mallory, R.	WR	01:30 PM-03:35 PM	TE 103	08/27-12/17
	Mallory, R.	WR	03:35 PM-05:00 PM	AA 101	08/27-12/17
20931	Lipp, G.	TR	06:00 PM-08:05 PM	TE 103	08/27-12/17
	Lipp, G.	TR	08:20 PM-09:45 PM	AA 101	08/27-12/17

#### AUTO 151 Engine Service, Diagnosis and Repair 5 Units

Prerequisite: AUTO 101.  
 Strongly recommended: ENGL 099 or READ 099 if required by English placement exam or if required by English level. Also, MATH 130 or higher.  
 Intended for those seeking a career in the automotive service and repair industry. This National Automotive Technicians' Education Foundation certified course is one component of the Toyota Technical Education Network and Technicians' Education Cooperative programs. The course covers essential engine theory, inspection, diagnosis, service and repair. Engine disassembly, inspection, measurements and assembly are covered, with emphasis on in-vehicle repairs. The course prepares students for ASE Engine Repair (A1) certification exam. 54 lecture hours, 135 lab hours. CSU

20933	Korn, D.	WR	08:00 AM-09:25 AM	TE 105	08/27-12/17
	Korn, D.	WR	09:25 AM-01:30 PM	TD 121	08/27-12/17

#### AUTO 154 Chassis Service, Diagnosis, and Repair 8 Units

Prerequisite: AUTO 101 and AUTO 156.  
 Strongly recommended: ENGL 099 or READ 099 if required by English placement exam or if required by English level. Also, MATH 130 or higher.  
 Intended for those seeking a career in the automotive service and repair industry. This National Automotive Technicians' Education Foundation certified course is one component of the Toyota Technical Education Network and Technicians' Education Cooperative programs. The course covers essential chassis system theory, along with inspection, diagnosis, service and repair of the following undercar systems: brake, steering, suspension, alignment, wheel/tire, ride control and ABS. Course prepares students for ASE Suspension and Steering (A4) and ASE Brakes (A5) certification. 108 lecture hours, 135 lab hours. CSU

20934	Brown, D.	WR	08:00 AM-11:10 AM	TE 104	08/27-12/17
	Brown, D.	WR	11:10 AM-03:15 PM	TD 134	08/27-12/17

#### AUTO 156 Automotive Electrical & Electronic Systems I 5 Units

Prerequisite: AUTO 101 or one year minimum industry experience based on departmental approval or related coursework.  
 Strongly recommended: ENGL 099 or READ 099 if required by English placement exam or if required by English level. Also, MATH 130 or higher.  
 Intended for those seeking a career in the automotive service and repair industry, this National Automotive Technicians' Education Foundation certified course is one component of the Toyota Technical Education Network and Technicians' Education Cooperative programs. This class covers essential electrical and electronic systems theory, along with inspection, diagnosis, service & repair of specific electrical systems including the battery, starting systems, charging systems, lighting systems, gauges, and instrument-panel warning lights. Prepares students for ASE Electrical & Electronic Systems (A6) certification. 68 lecture hours, 72 lab hours. CSU

20937	Korn, D.	MT	08:00 AM-10:05 AM	TE 102	08/27-12/17
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	Korn, D.	MT	10:05 AM-12:10 PM	AA 101	08/27-12/17
20938	Mallory, R.	MT	12:30 PM-02:30 PM	TE 102	08/27-12/17
	Mallory, R.	MT	02:30 PM-04:40 PM	AA 101	08/27-12/17

#### AUTO 162 Drivetrain Service, Diagnosis and Repair 8 Units

Prerequisite: AUTO 166.  
 Strongly recommended: ENGL 099 or READ 099 if required by English placement exam or if required by English level. Also, MATH 130 or higher.  
 Intended for those seeking a career in the automotive service and repair industry. This National Automotive Technicians' Education Foundation certified course is one component of the Toyota Technical Education Network and Technicians' Education Cooperative programs. This course focuses on the service, diagnosis and repair of the manual and automatic automotive drivetrain systems. Appropriate lab activities in automobile drivetrain inspection, service and repair are included. The course prepares students for the ASE Automatic Transmission and Transaxle (A2) and Manual Drivetrain and Axles (A3) certification exams. 108 lecture hours, 135 lab hours. CSU

20939	Clark, J.	MT	08:00 AM-11:10 AM	TE 104	08/27-12/17
	Clark, J.	MT	11:10 AM-03:15 PM	TD 131	08/27-12/17

#### AUTO 168 Engine Control Systems Service, Diagnosis and Repair 8 Units

Prerequisite: AUTO 151 and AUTO 166.  
 Strongly recommended: ENGL 099 or READ 099 if required by English placement exam or if required by English level. Also, MATH 130 or higher.  
 Intended for those seeking a career in the automotive service and repair industry. This National Automotive Technicians' Education Foundation certified course is one component of the Toyota Technical Education Network and Technicians' Education Cooperative programs. The course covers essential engine management systems theory, along with inspection, diagnosis, service and repair of the following systems: ignition, air and fuel delivery, electronic engine controls, and auxiliary emission controls. This course prepares students for ASE Engine Performance (A8) certification. 108 lecture hours, 135 lab hours. CSU

20940	Brown, D.	MT	08:00 AM-11:10 AM	TE 105	08/27-12/17
	Brown, D.	MT	11:10 AM-03:15 PM	TD 137	08/27-12/17

#### AUTO 230B Automotive Service and Repair Work Experience B 2 Units

Recommended Skills: AUTO 101, 151, 154, 156, 162, 166, 167 and 168 SLOs.  
 Strongly recommended: Completion of 16 units in automotive technology coursework.

Limitation on Enrollment: Department consent required prior to enrollment. Automotive technology work experience is designed to extend occupational learning through employment and coordinate the on-the-job training with program instruction. Individual student goals and learning objectives will be designed by the student cooperatively with the employer and faculty advisor. Lab hours are arranged and completed at the place of employment. This AUTO 230 course may be taken four times for a maximum of four units. Pass/No Pass grading only. 9 lecture hours, 320 lab hours.

20943	Clark, J.		HRS-ARRG	TE 105	08/27-12/17
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The lectures will meet on the following Wednesdays:  
 Sept. 7, Oct. 5, Nov. 9, Dec. 7  
 6:30pm - 9:00pm  
 TE 105

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<b>AUTO 230C Automotive Service and Repair Work Experience C</b> <b>3 Units</b>						The student must be simultaneously enrolled in a class that relates to the Cooperative Education class. A course designed to assist students in planning and accomplishing meaningful learning objectives related to Automotive Technology at their place of volunteer employment or training sites. This course may be taken four times. 60 hours lab arranged. 20998 Clark, J. HRS-ARRG 10/24-12/17 <a href="#">Department approval required prior to enrollment.</a> <b>Second Eight Weeks</b>					
Recommended Skills: AUTO 101, 151, 154, 156, 162, 166, 167 and 168 SLOs. Strongly recommended: Completion of 16 units in automotive technology coursework. Limitation on Enrollment: Department consent required prior to enrollment. Automotive technology work experience is designed to extend occupational learning through employment and coordinate the on-the-job training with program instruction. Individual student goals and learning objectives will be designed by the student cooperatively with the employer and faculty advisor. Lab hours are arranged and completed at the place of employment. This AUTO 230 course may be taken four times for a maximum of four units. Pass/No Pass grading only. 9 lecture hours, 480 lab hours. 20944 Clark, J. HRS-ARRG TE 105 08/27-12/17 <a href="#">The lectures will meet on the following Wednesdays:</a> <a href="#">Sept. 7, Oct. 5, Nov. 9, Dec. 7</a> <b>6:30pm - 9:00pm</b> <b>TE 105</b>											
<b>AUTO 230D Automotive Service and Repair Work Experience D</b> <b>4 Units</b>											
Recommended Skills: AUTO 101, 151, 154, 156, 162, 166, 167 and 168 SLOs. Strongly recommended: Completion of 16 units in automotive technology coursework. Limitation on Enrollment: Department consent required prior to enrollment. Automotive technology work experience is designed to extend occupational learning through employment and coordinate the on-the-job training with program instruction. Individual student goals and learning objectives will be designed by the student cooperatively with the employer and faculty advisor. Lab hours are arranged and completed at the place of employment. This AUTO 230 course may be taken four times for a maximum of four units. Pass/No Pass grading only. 9 lecture hours, 640 lab hours. 20945 Clark, J. HRS-ARRG TE 105 08/27-12/17 <a href="#">The lectures will meet on the following Wednesdays:</a> <a href="#">Sept. 7, Oct. 5, Nov. 9, Dec. 7</a> <b>6:30pm - 9:00pm</b> <b>TE 105</b>											
<b>AUTO 295 Engine Design</b> <b>4 Units</b>											
Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level. A course designed to teach engine design principles and analysis of cylinder heads, cylinder blocks, crankshafts, piston and rings, connecting rods, camshaft, valve train systems. The course will also cover the design and tuning of intake and exhaust systems, turbocharging and supercharging and the use of basic and advanced engine design formulas. 72 lecture hours. CSU 21307 Korn, D. MW 06:00 PM-09:00 PM TE 105 09/26-12/14 <b>Late Start Class</b> <b>September 26 - December 14</b>											
<b>AUTO 695D Special Topics: Automotive Technology</b> <b>3 Units</b>											
This course covers special and emerging topics not found in other courses within the discipline. Topics vary and are determined by the department. See the department for current term emphasis. May be taken four times regardless of the unit combination, however, no single subject, special topics class may be repeated. 54 lecture hours. 21240 Brown, D. T 06:30 PM-09:40 PM TE 105 08/27-12/17 <b>Basic and Advanced Clean Air Car Course</b> <b>Lecture section only. Lab section also required.</b> <b>Students must also register for AUTO 696D CRN 21241</b>											
<b>AUTO 696D Special Topics: Automotive Technology</b> <b>1 Units</b>											
This course covers special and emerging topics not found in other courses within the discipline. Topics vary and are determined by the department. See the department for current term emphasis. May be taken four times regardless of the unit combination, however, no single subject, special topics class may be repeated. 54 lab hours. 21241 Brown, D. R 06:30 PM-09:40 PM TD 121 08/27-12/17 <b>Basic and Advanced Clean Air Car Course</b> <b>Lab section only. Lecture section also required.</b> <b>Students must also register for AUTO 695D CRN 21240</b>											
<b>AUTO 698A Cooperative Education</b> <b>1 Units</b>											