

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: READ 099 if required by reading placement exam or if required by reading 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

|       |              |    |                   |        |             |
|-------|--------------|----|-------------------|--------|-------------|
| 21227 | Eckead, C.   | MT | 08:00 AM-11:45 AM | TE 103 | 08/28-12/18 |
| 21228 | Gonzalez, J. | WR | 08:00 AM-11:45 AM | TE 103 | 08/28-12/18 |
| 21229 | Mallory, R.  | MW | 06:00 PM-09:45 PM | TE 103 | 08/28-12/18 |
| 21230 | Lipp, G.     | TR | 06:00 PM-09:45 PM | TE 103 | 08/28-12/18 |

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

Prerequisite: AUTO 101.

Strongly recommended: READ 099 if required by reading placement exam or if required by reading level. Also, MATH 129 or higher and ENGL 100 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.

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|-------|----------|----|-------------------|--------|-------------|
| 21232 | Korn, D. | MT | 08:00 AM-01:35 PM | TE 105 | 08/28-12/18 |
|-------|----------|----|-------------------|--------|-------------|

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

Prerequisite: AUTO 101.

Strongly recommended: READ 099 if required by reading placement exam or if required by reading level. Also, MATH 129 or higher and ENGL 100 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.

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|-------|------------|----|-------------------|--------|-------------|
| 21233 | Eckead, C. | WR | 08:00 AM-03:15 PM | TE 104 | 08/28-12/18 |
|-------|------------|----|-------------------|--------|-------------|

### AUTO 156 Automotive Electrical & Electronic Systems I 4 Units

Prerequisite: AUTO 101 or Corequisite AUTO 101.

Strongly recommended: READ 099 if required by reading placement exam or if required by reading level. Also, MATH 129 or higher and ENGL 100 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

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|-------|-----------|---|-------------------|--------|-------------|
| 21236 | Brown, D. | T | 08:00 AM-01:20 PM | TE 102 | 08/28-12/18 |
| 21237 | Korn, D.  | W | 08:00 AM-01:20 PM | TE 102 | 08/28-12/18 |

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

Prerequisite: AUTO 101.

Strongly recommended: READ 099 if required by reading placement exam or if required by reading level. Also, AUTO 154, MATH 129 or higher and ENGL 100 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.

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| 21238 | Clark, J. | MT | 08:00 AM-03:15 PM | TE 104 | 08/28-12/18 |
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### AUTO 168 Engine Control Systems Service, Diagnosis and Repair 8 Units

Prerequisite: AUTO 101.

Strongly recommended: READ 099 if required by reading placement exam or if required by reading level. Also, AUTO 151 and MATH 129 or higher and ENGL 100 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.

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| 21239 | Brown, D. | WR | 08:00 AM-03:15 PM | TE 105 | 08/28-12/18 |
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### 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.

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| 21244 | Clark, J. | W | HRS-ARRG | TE 105 | 08/28-12/18 |
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The lectures will meet on the following Wednesdays:

Sept. 8, Sept. 29, Oct. 27, Nov. 17, & Dec. 15

6:30pm - 8:30pm

### AUTO 230C Automotive Service and Repair Work Experience C 3 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, 480 lab hours.

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| 21245 | Clark, J. | W | HRS-ARRG | TE 105 | 08/28-12/18 |
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The lectures will meet on the following Wednesdays:

Sept. 8, Sept. 29, Oct. 27, Nov. 17, & Dec. 15

6:30pm - 8:30pm

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### **AUTO 230D Automotive Service and Repair Work Experience D** **4 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, 640 lab hours.

21246 Clark, J. W HRS-ARRG TE 105 08/28-12/18

The lectures will meet on the following Wednesdays:

Sept. 8, Sept. 29, Oct. 27, Nov. 17, & Dec. 15

6:30pm - 8:30pm

### **AUTO 698A Cooperative Education** **1 Units**

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 per semester.

21319 Clark, J. HRS-ARRG 08/28-10/23

Department approval required prior to enrollment.

21320 Clark, J. HRS-ARRG 10/25-12/18

Department approval required prior to enrollment.

## **Automotive Tech-Auto, Lt Truck**

### **AUTO 141 Engine Mechanical Systems** **4 Units**

Prerequisite: AUTO 101.

Intended for those students majoring in automotive technology or those currently employed with an automotive service/repair establishment seeking to improve their skills. This course covers essential engine theory, inspection, diagnosis, service and repair. Engine inspection and measurements are covered, with emphasis on in-vehicle repairs. This course prepares students for ASE Engine Repair (A1) certification exam. 54 lecture hours, 54 lab hours. CSU

21231 Eckoard, C. TR 06:00 PM-09:10 PM TE 105 08/28-12/18