### Automotive - Auto, Lt Truck

#### AUTO 101  Fundamentals of Automotive 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. Generally intended for those students majoring in automotive technology and currently employed with an automotive service/repair establishment. This 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. 72 lecture hours, 54 lab hours. CSU

- CRN: 30606
  - Instructor: Gonzalez, J.
  - Days: M-W
  - Time: 08:00 AM-11:35 AM
  - Room: TE 103
  - Days: 02/17-06/12
  - Room: 02/17-06/12

- CRN: 30607
  - Instructor: Lancaster, J.
  - Days: M-W
  - Time: 06:00 PM-09:35 PM
  - Room: TE 103
  - Days: 02/17-06/12
  - Room: 02/17-06/12

- CRN: 30609
  - Instructor: Bender, T.
  - Days: TR
  - Time: 06:00 PM-09:35 PM
  - Room: TE 103
  - Days: 02/17-06/12
  - Room: 02/17-06/12

#### AUTO 148  Engine Control Systems  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. Generally intended for those students majoring in automotive technology and currently employed with an automotive service/repair establishment. This course covers essential engine management system 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. 72 lecture hours, 54 lab hours. CSU

- CRN: 30612
  - Instructor: Brown, D.
  - Days: TR
  - Time: 06:00 PM-09:35 PM
  - Room: TE 105
  - Days: 02/17-06/12
  - Room: 02/17-06/12

#### 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. Generally intended for those students majoring in automotive technology and currently employed with an automotive service/repair establishment. This 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. 72 lecture hours, 54 lab hours. CSU

- CRN: 30617
  - Instructor: Korn, D.
  - Days: MT
  - Time: 08:00 AM-11:35 AM
  - Room: TE 105
  - Days: 02/17-06/12
  - Room: 02/17-06/12

#### 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. Generally intended for those students majoring in automotive technology and currently employed with an automotive service/repair establishment. This 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. 106 lecture hours, 135 lab hours.

- CRN: 30619
  - Instructor: Eckard, C.
  - Days: WR
  - Time: 08:00 AM-03:15 PM
  - Room: TE 104
  - Days: 02/17-06/12
  - Room: 02/17-06/12

#### 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. Generally 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 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 (A8) certification. 54 lecture hours, 36 lab hours. CSU

- CRN: 30621
  - Instructor: Mallory, R.
  - Days: T
  - Time: 08:00 AM-01:20 PM
  - Room: TE 102
  - Days: 02/17-06/12
  - Room: 02/17-06/12

- CRN: 30625
  - Instructor: Kom, D.
  - Days: W
  - Time: 08:00 AM-01:20 PM
  - Room: TE 102
  - Days: 02/17-06/12
  - Room: 02/17-06/12

#### 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. Generally 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.

- CRN: 30638
  - Instructor: Clark, J.
  - Days: M-W-T-Th-F-R-S
  - Time: 08:00 AM-03:15 PM
  - Room: TE 104
  - Days: 02/17-06/12
  - Room: 02/17-06/12

#### AUTO 168  Engine Control Systems Service  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. Generally 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 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.

- CRN: 30639
  - Instructor: Brown, D.
  - Days: W
  - Time: 08:00 AM-03:15 PM
  - Room: TE 105
  - Days: 02/17-06/12
  - Room: 02/17-06/12

#### AUTO 230A  Automotive Service and Repair Work Experience A  1 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, 160 lab hours.

- CRN: 30901
  - Instructor: Clark, J.
  - Days: MTWHRSA
  - Time: 08:00 AM-03:15 PM
  - Room: TE 115
  - Days: 02/17-06/12
  - Room: 02/17-06/12

The lectures will meet on the following Wednesdays:

- Feb. 24
- March 17
- April 7
- May 12
- June 9

6:00pm - 8:00pm
### Schedule of Credit Classes - Spring 2010

**Note:** Course Dates indicate Beginning and Ending Dates

| CRN  | Instructor | Days   | Time                        | Room | D |
|------|------------|--------|-----------------------------|------|   |
| 31004 | Clark, J.  | W      | HRS-ARRG                    | TE 115 | 02/17-06/12 |
| 31005 | Clark, J.  | W      | HRS-ARRG                    | TE 115 | 02/17-06/12 |
| 31007 | Vinci, D.  | TR     | 06:00 PM-10:15 PM          | TE 104 | 02/17-06/12 |
| 30873 | Kom, D.    | MW     | 06:00 PM-09:10 PM          | TE 105 | 02/17-06/12 |

### AUTO 230B Automotive Service and Repair Work

#### Experience 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, 320 lab hours.

31004 Clark, J. W HRS-ARRG TE 115 02/17-06/12

The lectures will meet on the following Wednesdays:
Feb. 24, March 17, April 7, May 12, June 9 6:00pm - 8:00pm

### AUTO 230C Automotive Service and Repair Work

#### Experience C

**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.

31005 Clark, J. W HRS-ARRG TE 115 02/17-06/12

The lectures will meet on the following Wednesdays:
Feb. 24, March 17, April 7, May 12, June 9 6:00pm - 8:00pm

### AUTO 230D Automotive Service and Repair Work

#### Experience D

**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.

31007 Clark, J. W HRS-ARRG TE 115 02/17-06/12

The lectures will meet on the following Wednesdays:
Feb. 24, March 17, April 7, May 12, June 9 6:00pm - 8:00pm

### AUTO 281 Advanced Toyota Certified Technician Training

**6.5 Units:**

**Prerequisite:** AUTO 295.

**Recommended Skills:** READ 099 if required by reading placement exam or if required by reading level.

A course designed to teach the skills necessary to develop a cylinder head for total performance. Emphasis will be placed on cylinder head development and reconditioning, head CCing, and basic flowbench operation. 54 lecture hours, 54 lab hours.

31077 Vinci, D. TR 06:00 PM-10:15 PM 02/17-06/12

Class will also meet on the following Saturdays:
March 13, April 10, May 5, June 5 8:00am - 3:30pm

### AUTO 296 Cylinder Head Development

#### 4 Units

**Prerequisite:** AUTO 295.

**Recommended Skills:** READ 099 if required by reading placement exam or if required by reading level.

A course designed to teach the skills necessary to develop a cylinder head for total performance. Emphasis will be placed on cylinder head development and reconditioning, head CCing, and basic flowbench operation. 54 lecture hours, 54 lab hours.

30873 Kom, D. MW 06:00 PM-09:10 PM 02/17-06/12

Register online at citruscollege.edu/ar  WingSpan Registration Help Desk (626) 914-8833  Admissions and Records office (626)