

# HONDA PROFESSIONAL AUTO CAREER TRAINING (PACT)

## **PACT2111 | Introduction to PACT | Lecture/Laboratory (2 Credits)**

Identify dealership expectations for maintenance and repair. Complete a repair order. Demonstrate express service inspections, fluid changes, and service item replacements. Perform basic scan tool operations with manufacturer's scan tool.

**Prerequisite(s):** AUTO1111, AUTO1121, AUTO1221, AUTO1254, And AUTO1211

## **PACT2112 | Engine Performance/Engine Repair | Lecture/Laboratory (12 Credits)**

Analyze theory of operation, design, diagnosis, and repair procedures of engines. Computerized engine control systems electrical and electronic devices. Examine emerging engine performance and vehicle propulsion technology. Use standard and computerized test equipment on OBDII equipped vehicles to make a complete performance analysis and/or diagnose specific problems to determine work needed on vehicles. Make repairs to restore vehicle performance, emissions, and fuel economy to as near as possible to original factory and Environmental Protection Agency (EPA) standards.

## **PACT2121 | Honda Electrical Systems | Lecture/Laboratory (4 Credits)**

Practice reading wiring diagrams and diagnosing electrical concerns on Honda/Acura vehicles with manufacturer's service information. Identify and follow safety procedures while working on SRS components. Explain vehicle communication systems. Complete PACT HVAC training. Demonstrate scan tool operations for testing and diagnosing electrical system faults. Practice Honda 5 step trouble shooting process.

**Prerequisite(s):** PACT2111

## **PACT2132 | PACT Self Studies I | Directed Study (2 Credits)**

Directed Completion of Honda/Acura Self-Studies in the Areas of Engine Rebuilding, Engine Performance and Advanced Electrical.

## **PACT2141 | Drivetrain Systems | Lecture/Laboratory (4 Credits)**

Identify drivetrain components. Disassemble manual transmission and make appropriate measurements and service determinations. Remove clutch assembly. Explain 4wd/AWD system operation. Explain automatic transmission operation. Disassemble automatic transmission. Evaluate drivetrain systems with a scan tool. Relate failure scenarios to drivetrain problems. Diagnose electrical and hydraulic failures in drivetrain systems.

**Prerequisite(s):** PACT2121

## **PACT2211 | Self-Studies | Lecture (2 Credits)**

Directed completion of Honda/Acura self-studies in the areas of new vehicle information, electric vehicles and Honda electrical systems.

**Prerequisite(s):** PACT2111

## **PACT2212 | Transmission/Driveline | Lecture/Laboratory (4 Credits)**

Theory and operation of gears, controls, components relating to transmissions, transfer case, and differentials. Operation, diagnosis, disassembly, reassembly, power flow of driveline components as well as testing of hydraulic and electronic controls using service information. Operation, theory and repair of constant velocity and variable velocity joints. Principles of NVH (noise, vibration, and harshness)

## **PACT2213 | Transmission/Driveline | Lecture/Laboratory (6 Credits)**

Theory and operation of gears, controls, components relating to transmissions, transfer case, and differentials. Operation, diagnosis, disassembly, reassembly, power flow of driveline components as well as testing of hydraulic and electronic controls using service information.

**Prerequisite(s):** AUTO1111, AUTO1121, AUTO1211, And AUTO1221

## **PACT2221 | Honda Chassis Systems | Lecture/Laboratory (2 Credits)**

Examine brake and steering/suspension specific to Honda/Acura vehicles. Practice TPMS and ABS diagnosis and procedures. Practice use of on-car brake lathe. Explain vehicle driver assist/intervention systems. Diagnose vehicle conditions and complaints using alignment measurements.

**Prerequisite(s):** PACT2111

## **PACT2232 | PACT Self-Studies II | Directed Study (2 Credits)**

Directed completion of Honda/Acura Self-studies in the areas of New Vehicle information, Electric Vehicles and Honda Electrical Systems. Additional Self-studies may be assigned as needed.

## **PACT2241 | Engine Repair & Rebuilding | Lecture/Laboratory (2 Credits)**

Identify engine components and functions. Analyze theory of operation, design, diagnosis, and repair procedures of engines. Hands-on repair of Honda/Acura engines. Service procedures include repair of cooling system, lubrication system, intake systems, and exhaust, as well as engine testing, engine disassembly, cleaning and measurement, cylinder head diagnostics, timing belt/chain replacement 4cyl, 6cyl.

**Prerequisite(s):** PACT2221

## **PACT2251 | Engine Performance | Lecture/Laboratory (4 Credits)**

Hands-on repair of the Honda/Acura fuel and computerized engine control systems. Service procedures include: fuel pressure testing, fuel injector testing, advanced scan tool usage, and on-vehicle diagnostics. Advanced diagnostics, including hands-on repair of the Honda/Acura engine control systems. Service procedures include: on-vehicle diagnostics of Honda/Acura vehicles including advanced computer control systems, networking communication, emission control systems, and test drive diagnostic techniques.

**Prerequisite(s):** PACT2241

## **PACT2260 | PACT Skill Modules | Lecture/Laboratory (2 Credits)**

Complete remaining Honda PACT SKIL modules in a simulated training center environment. Practice the skills the student has learned in subsequent courses to complete Honda/Acura training lab assessments. Student led training with instructor feedback and check points while working through Honda/Acura corporate training. Emphasis on Electrical, Engine and Fuel and emissions. Some pre-requisite Self-Studies will be required before attempting certain tasks.

## **PACT2510 | PACT Internship I | Internship (2 Credits)**

Cooperative, paid on-the-job training, providing real life job skills and work habits in a variety of automotive areas. Document your experience and hours in a weekly internship report.

**Prerequisite(s):** AUTO1111, AUTO1121, AUTO1211, AUTO1221, And AUTO1254

## **PACT2520 | PACT Internship II | Internship (2 Credits)**

Cooperative, paid on-the-job training, providing real life job skills and work habits in a variety of automotive areas. Document your experience and hours in a weekly internship report.

**Prerequisite(s):** PACT2510

**PACT2530 | PACT Internship III | Internship (2 Credits)**

Cooperative, paid on-the-job training, providing real life job skills and work habits in a variety of automotive areas. Document your experience and hours in a weekly internship report.

**Prerequisite(s):** PACT2520

**PACT2540 | PACT Internship IV | Internship (2 Credits)**

Cooperative, paid on-the-job training, providing real life job skills and work habits in a variety of automotive areas. Document your experience and hours in a weekly internship report.

**Prerequisite(s):** PACT2530

**PACT2560 | PACT Internship | Internship (8 Credits)**

Cooperative, paid on-the-job training at a sponsoring Honda or Acura repair facility. Preparation providing real life job skills and work habits in a variety of automotive areas. Document your experience and hours in a weekly internship report. Work under the supervision of service management. Student must secure their own employment. The PACT Coordinator will oversee the internship. Need department director approval and must meet acceptance criteria. (Application must be submitted at least 8 weeks prior to start of the Internship) Must follow approved guidelines listed in the internship packet. PACT students must take this course in lieu of AUTO2251 Production.

**PACT2561 | PACT Internship | Internship (6 Credits)**

Cooperative, paid on-the-job training at a sponsoring Honda or Acura repair facility. Preparation providing real life job skills and work habits in a variety of automotive areas. Document your experience and hours in a weekly internship report. Work under the supervision of service management. Student must secure their own employment. The PACT Coordinator will oversee the internship. Need department director approval and must meet acceptance criteria. (Application must be submitted at least 8 weeks prior to start of the Internship) Must follow approved guidelines listed in the internship packet. PACT students must take this course in lieu of AUTO2252 Production.

**Prerequisite(s):** AUTO1111, AUTO1121, AUTO1211, And AUTO1221