



*American Honda Motor Co., Inc.*

***PACT***

*Professional Automotive Career Training*

# **Internship Agreement**



## **Honda Automotive Technology** **Internship Overview**

The internship course supplements the PACT program by requiring the students to complete 640 mentored hours working in a dealership service department. The students become eligible for an internship after successfully completing all prior coursework with a 2.0 or better GPA. The time requirement may be met part-time over three semesters.

The work experience for a student at the dealership should be divided equally over the eight ASE skill areas. Under the supervision of a service manager and an experienced technician, a student will be evaluated as: Understanding task but needing supervision, performs task with minimal supervision, or performs task without supervision. While there will be some areas a student has had previous instruction, there will also be areas where the internship will be their introduction to a subject. It is not the dealership's responsibility to bring a student to a specific level competency, but merely to offer the opportunity for development in the skill areas under professional working conditions and document accordingly. A representative from the college will visit the internship site regularly to monitor the student's progress.

Students at the dealership are subject to the same standards of punctuality and work ethic of other employees. The college incorporates into all of the Industry and Transportation department courses the standards expected of successful auto technicians. The dealer may terminate an internship if they determine the student's conduct is unsatisfactory.

## **Honda Automotive Technology**

### **Subject Schedule**

#### **First Year Fall Semester**

##### HATN 106 Honda Internal Combustion Engine

- Principles of engine operation
- Fundamentals of engine design and construction
- Methods of engine disassembly and reassembly
- Principles of basic induction and timing to performance parts
- Precision measurements

##### HATN 113 Honda Electricity and Wiring

- Basic electrical theory and safety
- Fundamentals of electrical system design
- Fundamentals of electrical diagnosis
- Electrical circuit repair techniques
- Reading and understanding of electrical diagrams
- Identification of electrical components

##### HATN 121 Honda Service and Maintenance

- Automotive shop safety and procedures
- Express/accelerated service procedures
- Exhaust system repair
- Cooling system service
- Safety inspection
- Tire service and repair
- PDI
- Research techniques for proper vehicle repairs

#### **First Year Spring Semester**

##### HATN 114 Honda Steering and Suspension

- 4 wheel alignment
- Wheel balance with road force
- Steering system diagnosis and repair
- Suspension system diagnosis and repair
- Proper restraint system safety and procedures

##### HATN 122 Honda Brakes and Stability Systems

- Brake system design
- Brake system diagnosis and repair
- Antilock and vehicle stability systems diagnosis and repair
- Machining of drums and disc brake rotors
- Parking brake system diagnosis and repair

##### HATN 185 Engine Performance I

- Introduction to computerized engine controls
- Engine performance evaluation and diagnosis
- Diagnosis and testing of ignition, fuel and emissions systems
- Extensive use of the HDS system

## Summer Semester

### HATN 195 Honda Dealer Internship

- Work at dealer performing tasks related to previous learning objectives

## Second Year Fall Semester

### HATN 205 Honda Advanced Electrical and Electronic Systems

- Diagnosis and repair of advanced Honda electrical systems
- Diagnosis and repair of computer controlled systems
- Use of computer communications systems
- Diagnosis and repair of keyless entry and keyless ignition systems
- Hybrid systems overview

### HATN 226 Honda Transmission and Drivelines

- Clutch diagnosis and replacement
- Manual transmission diagnosis and overhaul
- All wheel drive system service
- Axle and driveshaft service
- Principles of automatic transmissions
- Diagnosis of automatic transmission problems
- Automatic transmission replacement procedures

## Second Year Spring Semester

### HATN 215 Honda Engine Performance II

- Advanced computer controls
- Emission control system principles
- Emission system test procedures
- Service and replacement of components

### HATN 228 Honda Engine Repair

- Engine condition evaluation and diagnosis
- In chassis engine repairs
- Engine removal and installation procedures
- Complete engine overhaul

### HATN 221 Honda Heating and A/C Systems

- Principles of HVAC
- Diagnosis of HVAC systems
- Manual and automatic controls
- Component replacement
- Charging A/C systems

## Commitment to Equal Employment Opportunities

Employers who partner with Nashua Community College guarantee that no student shall be discriminated against or excluded from any benefits, activities, or programs on the grounds race, color, religion, national origin, age, sex, disability, genetic information, veteran status, marital status, sexual orientation, political affiliation, or lawful political activity. Employers agree to adhere to Nashua Community College's Non-Discrimination policy.

### NON-DISCRIMINATION POLICY

Nashua Community College does not discriminate in the administration of its admissions and educational programs, activities, or employment practices on the basis of race, color, religion, national or ethnic origin, age, sex, sexual orientation, marital status, disability, gender identity or expression, genetic information, or veteran status. This statement is a reflection of the mission of the Community College System of NH and Nashua Community College and refers to, but is not limited to, the provisions of the following laws: Title VI and VII of the Civil Rights Act of 1964, The Age Discrimination Act of 1967, Title IX of the Education Amendment of 1972, Section 504 of the Rehabilitation Act of 1973, The Americans with Disabilities Act of 1975, Section 402 of the Vietnam Era Veteran's Readjustment Assistance Act of 1974, and the NH Law Against Discrimination (RSA 354-A).

The NCC Equity Committee is designated to coordinate compliance with the Non-Discrimination Policy and handles all concerns of discrimination not covered under Title IX.

The following persons have been designated to handle inquiries regarding the Non-Discrimination Policy:

<p><b>Kyle Metcalf, Chairperson</b> NCC Equity Committee Nashua Community College 505 Amherst St. Nashua, NH 03063 <a href="mailto:NCCHREC@ccsnh.edu">NCCHREC@ccsnh.edu</a> (603) 897-9988 <a href="#">Equity Grievance Policy</a></p>	<p><b>Lizbeth Gonzalez</b> Title IX Coordinator Nashua Community College 505 Amherst St. Nashua, NH 03063 <a href="mailto:lgonzalez@ccsnh.edu">lgonzalez@ccsnh.edu</a> (603) 578-8928 <a href="#">Title IX Grievance Policy</a></p>
<p><b>Catherine Barry</b> NCC Human Resources Director Nashua Community College 505 Amherst St. Nashua, NH 03063 <a href="mailto:cbarry@ccsnh.edu">cbarry@ccsnh.edu</a> (603) 578-8900 ext. 1766</p>	<p><b>Jodi Quin</b> Section 504/ADA Coordinator Nashua Community College 505 Amherst St. Nashua, NH 030631 <a href="mailto:jquinn@ccsnh.edu">jquinn@ccsnh.edu</a> (603) 578-8996</p>

Inquiries may also be directed to:

<p><b>Sara A. Sawyer</b> CCSNH Director of Human Resources Community College System of NH 26 College Drive Concord, NH 03301 <a href="mailto:ssawyer@ccsnh.edu">ssawyer@ccsnh.edu</a> (603) 230-3503</p>	<p><b>NH Commission for Human Rights</b> 2 Industrial Park Drive Bldg. One Concord, NH 03301 <a href="mailto:humanrights@nh.gov">humanrights@nh.gov</a> (603) 271-2767 TDD 1-800-735-2964</p>
<p><b>Equal Employment Opportunity Commission</b> <b>Boston Area Office</b> JFK Federal Building 15 New Sudbury Street, Room 475 Boston, MA 02203-0506 <a href="mailto:info@eeoc.gov">info@eeoc.gov</a> 1-800-669-4000 TTY 1-800-669-6820 ASL Video (844) 234-5122 FAX (617) 565-3196</p>	<p><b>Office for Civil Rights,</b> <b>Boston Office</b> <b>US Department of Education</b> 8<sup>th</sup> Floor 5 Post Office Square Boston, MA 02109-3921 <a href="mailto:OCR.Boston@ed.gov">OCR.Boston@ed.gov</a> (617) 289-0111 TTY 1-800-877-8339 FAX (617) 289-0150</p>