

# TECHNOLOGY

## Automotive Management - Even

### Four Year—B.S. Degree

**GENERAL AREAS OF SERVICE:** This degree develops the requisite skills for management positions in automotive or related fields. Specifically, the program will provide advanced training in personnel management and motivation, customer relations, and community relations. Additionally, training is provided in business related topics such as accounting, financing and leasing, and occupational safety. Students learn to enhance their ability to manage personnel, maintain successful and mutually rewarding relationships with customers, and successfully manage the business and financial aspects of the enterprise. This degree provides the skills and credentials necessary to advance into management level positions.

**PROFESSIONAL TRAINING:** Educational requirements for these managers vary widely, ranging from a high school diploma to a master's degree, depending on the size and complexity of the organization. However, with management positions, training authorities strongly recommend that persons seeking an automotive mechanics job complete a formal training program after graduating from high school. In both managerial and automotive technician positions, experience is key for advancement.

**JOB OUTLOOK:** Employment of administrative services managers is projected to grow about as fast as the average through 2014. Over this projection period, demand for technicians and strong facility managers will grow as the number of vehicles in operation increases, and as businesses are increasingly realizing the importance of maintaining, securing, and efficiently operating their facilities.

**EARNINGS:** Salaries vary widely based on the career path chosen within the field of Automotive Management Technology. Entry-level positions could range from \$35,000 to \$60,000.

**SOURCES OF ADDITIONAL INFORMATION:**

Professor Robert J. Lagnese  
Chairperson  
Department of Automotive Management Technology  
[www.farmingdale.edu](http://www.farmingdale.edu)

Automotive Service Council of California  
(916)924-9054  
[www.ascca.com](http://www.ascca.com)

National Automotive Technicians Education Foundation  
101 Blue Seal Dr. S.E., Suite 101  
Leesburg, VA 20175  
[www.natef.org](http://www.natef.org)

\*US Bureau of Labor Statistics  
[www.bls.gov/oco](http://www.bls.gov/oco)

**Technology Department Chair:** Linda Nelson  
**Academic Adviser:** Rob Holm

**ALL SENIORS MUST TAKE A COMPREHENSIVE EXAM IN THEIR MAJOR FIELD BEFORE GRADUATION—these are exit exams.**

( ) - Parentheses indicate choice of courses.

	AUT Cr	WIN Cr	SPR Cr
<b>FRESHMAN YEAR</b>			
Internal Combustion Engine Theory & Lab (AUTO 134, 135)	4	-	-
Manual Drive Trains and Axles & Lab (AUTO 145, 146)	-	4	-
Electrical Systems & Lab (AUTO 156, 157)	-	-	4
Fundamentals of Electronics (ELCT 241)	4	-	-
Principles of Accounting (ACCT 201, 203)	4	-	3
Computer Business Applications (CIS 140)	-	-	4
Precalculus Mathematics I (MATH 121)	-	4	-
Fundamentals of Speech Communications (SPCH 101)	-	4	-
College Writing (ENGL 121, 122)	3	3	-
General Studies P.E. Activity	1	-	1
General Studies Religion (RELB)	-	2	4
	<u>16</u>	<u>17</u>	<u>16</u>
<b>SOPHOMORE YEAR</b>			
Engine Performance & Lab (AUTO 314/315)	4	-	-
Suspension and Steering Systems & Lab (AUTO 335/336)	-	4	-
Climate Control Systems and Lab (AUTO 355/356)	-	-	4
Practicum (AUTO 280)	2	-	-
Principles of Macro/Microeconomics (ECON 211, 212)	-	4	4
Research Writing (ENGL 223)	3	-	-
Conceptual Physics & Lab (PHYS 201,202/204, 205)	-	4	4
Technical Electives	3	2	-
General Studies Humanities	-	-	4
General Studies Electives	4	-	-
General Studies Religion (6 Upper Division)	-	3	-
	<u>16</u>	<u>17</u>	<u>16</u>
<b>JUNIOR YEAR</b>			
Brake Systems and Traction Control & Lab (AUTO 337/338)	-	-	4
Automatic Transmissions & Transaxles and Lab (AUTO 357/358)	-	4	-
Diesel Engines (AUTO 365)	-	3	-
Financial Management (FINA 351)	4	-	-
Business Statistics (GBUS 263)	4	-	-
Organizational Communication (GBUS 370)	-	4	-
Occupational Health & Safety (TECH 364)	-	2	-
Technical Electives	-	-	3
General Studies Social Science	-	4	-
General Studies History	4	-	-
General Studies Humanities	-	-	5
General Studies Electives	2	-	-
General Studies Religion (6 Upper Division)	2	-	5
	<u>16</u>	<u>17</u>	<u>17</u>
<b>SENIOR YEAR</b>			
Advanced Engine Performance (AUTO 414)	-	3	-
Body Electronics and Computer Systems (AUTO 466)	3	-	-
Alternative Fuels and Hybrids (AUTO 473)	-	-	2
Advanced Practicum in Automotive (AUTO 480)	-	1	1
Business Law I (GBUS 361)	4	-	-
Operation Management and Production (GBUS 366)	4	-	-
Principles of Management (MGMT 371)	4	-	-
Human Resources Management (MGMT 374)	-	4	-
Strategic Management (MGMT 489)	-	-	4
Principles of Marketing (MKTG 381)	-	-	4
Hydraulics and Pneumatics (TECH 326)	-	3	-
Senior Project (TECH 499)	-	1	-
General Studies Humanities	-	2	-
General Studies History	-	-	4
	<u>15</u>	<u>14</u>	<u>15</u>

\*Offered Alternate Years