

**GENERAL MOTORS
BODY SERVICE EDUCATIONAL PROGRAM
(GM-BSEP)**

GENERAL INFORMATION—The General Motors Body Service Educational Program (BSEP) is a two-year automotive program designed to upgrade the technical competence and professional level of the "entry-level" technician. The curriculum is jointly designed by General Motors and Lawson State Community College and leads to the Associate in Occupational Technology (AOT) Degree. The program involves attending classroom lecture and laboratory at the College and requires the student to work at a General Motors dealership.

The program requires two years to complete with approximately one-half of the time spent at the College and the remaining time spent in the GM dealership. Each specialized subject area of the course of study takes 8 weeks in the on-campus classroom and laboratory, followed by a minimum of 8 weeks of related practical work experience at the dealership during the fall and spring semesters. The summer semester is ten (10) weeks in the dealership and on campus. This rotation system continues throughout the entire program.

Facts to Remember . . .

All students who intend to register for credit courses leading to a Certificate or Associate Degree, and who have not satisfactorily completed ENG 101 and MTH 110 if enrolled in or are enrolling in College Transfer Division, or who have not satisfactorily completed COM 100 and MAH 100 if enrolled in or are enrolling in the Occupational Division must take the COMPASS Test.

Those Students who have taken the ACT Test with a composite score of 20 or above are exempt from the COMPASS Test. These students are responsible for providing their ACT Test results to the Testing Center.

Those students who have neither High School Diploma nor GED, and who intend to make application and receive financial assistance under the "Ability to Benefit Provision," must take the **Career Programs Assessment Test (CPAt)**. The College administers this test.

CONTACT PERSON:

Mrs. Janice Williams (205-929-6383)

**FUTURE
ACATT**

Alabama Center for Advanced Technology and Training



**The Department of
Business and Information Technologies will be
housed in the ACATT – 2005
West Campus**

BE PREPARED – JUST SOME OF THE FEATURES . . .

- Cougar Café – Wired/Wireless Capabilities
 - Copies/Booklets/Brochures, Etc.
- Workshops
- Various Trainings
- **Current Technical Trends Technologies In:**
 - Accounting
 - Desktop Publishing
 - Programming
 - Web Page Design
 - Networking
 - Robotics
 - Hardware
 - Software
 - Operating Environments
 - Management Information Systems
 - Servers
 - E-Learning
 - Business Ethics
 - Small Business Management
 - E-Commerce
 - E-Business
 - Office Technologies, ETC.
- **Partnerships:**
 - Microsoft
 - Novell
 - NCATC
 - AITP
 - CompTIA
 - Drake Authorized Testing
 - Pearson VUE Authorized Testing
 - Internal Revenue Service
 - AITA, Etc.
- **Student Organizations/Memberships:**
 - IAAP
 - PBL
 - AITP
 - KBD
 - PTK, Etc.

**GM BODY SERVICE EDUCATIONAL PROGRAM (BSEP)
CURRICULUM OUTLINE**

FIRST TERM (Fall)

- ABR 151** Safety and Environmental Practices
- ABR 154** Automotive Glass and Trim
- ABR 201** Dealership Work Experience
- PSY 100** Orientation
- BUS 100** Introduction to Business

TOTAL PROGRAM HOURS / CH=CLOCK HOURS				
CH Classroom		CH Lab		Credit
Per Week	Total	Per Week	Total	Hours
2	15	8	60	3
2	15	8	60	3
0	0	20	150	3
2	15	0	0	1
6	45	0	0	3
12	90	36	270	13

SECOND TERM

SECOND TERM (Spring)

- ABR 223** Body Electrical
- ABR 157** Autobody Welding and Cutting
- ABR 202** Dealership Work Experience
- ENG 101** English Composition I
- CIS 130** Intro to Computer Info Systems

Per Week	Total	Per Week	Total	Hours
2	15	8	60	3
2	15	8	60	3
0	0	20	150	3
6	45	0	0	3
6	45	0	0	3
16	120	36	270	15

THIRD TERM

THIRD TERM (Summer)

- ABR 113** Sheet Metal Repair, Corrosion Repair
- ABR 153** Plastic and SMC Repair
- ABR 203** Dealership Work Experience
- BUS 150** Business Math

Per Week	Total	Per Week	Total	Hours
2.5	15	10	60	3
2.5	15	10	60	3
0	0	25	150	3
7.5	45	0	0	3
12.5	75	45	270	12

FOURTH TERM

FOURTH TERM (Fall)

- ABR 213** Collision, Damage Repair/Replacement
- ABR 214** Unibody, Frame and Wheel Alignment
- ABR 204** Dealership Work Experience
- SPH 107** Fundamentals of Public Speaking
- PHS 112** Physical Science II

Per Week	Total	Per Week	Total	Hours
2	15	8	60	3
2	15	8	60	3
0	0	20	150	3
6	45	0	0	3
6	45	0	30	3
16	120	36	300	15

FIFTH TERM

Fifth Term (Spring)

- ABR 123** Introduction to Refinishing
- ABR 250** Overall Refinishing, Matching and Blending
- ABR 205** Dealership Work Experience
- MTH 100** Intermediate College Algebra

Per Week	Total	Per Week	Total	Hours
2	15	8	60	3
2	15	8	60	3
0	0	20	150	3
6	45	0	0	3
10	75	36	270	12

SIXTH TERM

SIXTH TERM (Summer)

- ABR 224** Mechanical Components—A/C
- ABR 225** Body Shop Management & Estimating
- BUS 275** Principles of Management
- PSY 276** Human Relations

Per Week	Total	Per Week	Total	Hours
1.25	15	5	60	3
1.25	15	5	60	3
3.75	45	0	0	3
3.75	45	0	0	3
10	120	10	120	12
76.5	600	200	1500	80

**GM BODY SERVICE EDUCATIONAL PROGRAM (BSEP)
COURSE DESCRIPTIONS**

AUTOBODY REPAIR (ABR)

**ABR 113 SHEET METAL REPAIR 3 HOURS
 AND CORROSION REPAIR**

Prerequisite(s): *ABR 151*

This course teaches students (1) the characteristics of sheet metal and aluminum repair, along with tools and equipment, which students will apply to actual sheet metal repair on panels or damage on vehicle panels, (2) corrosion protection application and product safety; and (3) the safe use of body fillers.

**ABR 123 INTRODUCTION TO 3 HOURS
 REFINISHING**

Prerequisite(s): *ABR 151*

This course teaches students refinishing safety, tools, equipment, surface preparation, and material application procedures.

**ABR 151 SAFETY AND 3 HOURS
 ENVIRONMENTAL PRACTICES**

Prerequisite(s): *None*

This course is designed to instruct the student in safe work practices. Topics include OSHA requirements, EPA regulations as well as state and local laws. Upon completion, students should be knowledgeable in shop safety and environmental regulations.

ABR 153 PLASTIC AND SMC REPAIR 3 HOURS

Prerequisite(s): *ABR 113 and 151*

This course teaches students identification and safe repair of interior and exterior automotive plastics and sheet molded compound.

**ABR 154 AUTOMOTIVE GLASS 3 HOURS
 AND TRIM**

Prerequisite(s): *None*

This course covers safe procedures for the removal and replacement of all stationary and movable glass in addition to the various methods of body trim attachment and hardware used.

**ABR 157 AUTO BODY WELDING AND 3 HOURS
 CUTTING**

Prerequisite(s): *ABR 151*

This course covers an overview of safety procedures, familiarization with oxyacetylene, MIG, set-up operation and welding in flat, vertical, and overhead positions. Oxyacetylene and plasma arc cutting processes are used.

**ABR 201 DEALERSHIP WORK 3 HOURS
 EXPERIENCE**

Prerequisite(s): *ABR 151, 154, PSY 100, and BUS 100 and enrollment in General Motors BSEP Program*

This course provides on-the-job training in a General Motors dealership or an independent body shop. Each sponsor provides coordinated work experience in accordance with the program schedule. The work experience is supervised by the college's BSEP staff and the BSEP coordinator at the dealership/independent body shop.

**ABR 202 DEALERSHIP WORK 3 HOURS
 EXPERIENCE II**

Prerequisite(s): *ABR 151, 154, 201, 223, 224, PSY 100, BUS 100, ENG 101, CIS 130, and enrollment in General Motors BSEP Program*

This course provides on-the-job training in a General Motors dealership or an independent body shop. Each sponsor provides coordinated work experience in accordance with the program schedule. The work experience is supervised by the college's BSEP staff and the BSEP coordinator at the dealership/independent body shop.

**ABR 203 DEALERSHIP WORK 3 HOURS
 EXPERIENCE III**

Prerequisite(s): *ABR 113, 151, 154, 157, 201, 202, 223, 224, PSY 100, BUS 100, 150, ENG 101, CIS 130, and enrollment in General Motors BSEP Program*

This course provides on-the-job training in a General Motors dealership or an independent body shop. Each sponsor provides coordinated work experience in accordance with the program schedule. The work experience is supervised by the college's BSEP staff and the BSEP coordinator at the dealership/independent body shop.

**ABR 204 DEALERSHIP WORK 3 HOURS
 EXPERIENCE IV**

Prerequisite(s): *ABR 113, 151, 154, 157, 201, 202, 203, 213, 214, 224, PSY 100, BUS 100, 150, ENG 101, CIS 130, ABR 203, SPH 105, PHS 112, and enrollment in General Motors BSEP Program*

This course provides on-the-job training in a General Motors dealership or an independent body shop. Each sponsor provides coordinated work experience in accordance with the program schedule. The work experience is supervised by the college's BSEP staff and the BSEP coordinator at the dealership/independent body shop.

**ABR 205 DEALERSHIP WORK 3 HOURS
 EXPERIENCE V**

Prerequisite(s): *ABR 113, 123, 151, 153, 154, 157, 201, 202, 203, 204, 213, 214, 223, 224, PSY 100, BUS 100, 150, ENG 101, CIS 130, SPH 106, PHS 112, MTH 100, and enrollment in General Motors BSEP Program*

This course provides on-the-job training in a General Motors dealership or an independent body shop. Each sponsor provides coordinated work experience in accordance with the program schedule. The work experience is supervised by the college's BSEP staff and the BSEP coordinator at the dealership/independent body shop.

**ABR 213 COLLISION, DAMAGE 3 HOURS
 REPAIR, REPLACEMENT**

Prerequisite(s): *ABR 113 and 157*

Students learn tie down and clamping techniques, measuring, and pulling procedures to repair direct and indirect damage on open and closed panels. Replacement of damaged panels is also covered.

Join Lawson State's Chapter of IAAP

**International Association of
Administrative Professionals**



The International Association of Administrative Professionals (IAAP) is the world's largest association for administrative support staff, with over 600 chapters and 40,000 members and affiliates worldwide. For over 60 years, we have provided up-to-date research on office trends, cutting-edge publications, outstanding seminars and conferences, and top-notch resources to help administrative professionals enhance their skills and become more effective contributors to their employers.

For More Information Call:

Mrs. Kesha James, President
205-929-6450

ABR 214 UNIBODY FRAME AND WHEEL ALIGNMENT 3 HOURS

Prerequisite(s): ABR 113 and 151

The first part of this course teaches students safe repair of unitized and conventional frame vehicles. The second part of the course covers correcting suspension and wheel alignment problems. Basic wheel alignment for normal wear and tear is also included.

ABR 223 BODY ELECTRICAL 3 HOURS

Prerequisite(s): ABR 151 and 154

This course teaches basic electrical theory, basic circuitry, and Ohm's Law with an emphasis on the use of GM diagnostic procedures and the proper use of vehicle service manuals. There will be a "hands-on" approach focusing on troubleshooting body electrical components, wire repair, and the use of electrical measuring tools.

**ABR 224 MECHANICAL COMPONENTS/3 HOURS
AIR CONDITIONING**

Prerequisite(s): ABR 151 and 154

The first part of this course teaches students the removal of mechanical parts in front-wheel drive and rear-wheel drive vehicles. The second part of the course covers the principles of air conditioning, the diagnosis of malfunctions, and procedures for testing and repairing air conditioning units. Practical "hands-on" work is performed on actual systems which includes: evacuating, replacement of components, charging, and performance testing the system.

**ABR 225 BODY SHOP MANAGEMENT 3 HOURS
AND ESTIMATING**

Prerequisite(s): ABR 113, 153, 154, 157, 213, 214, 223, or instructor approval

The first part of this course teaches students proper shop management procedures including parts ordering, inventory management, customer relations, and communication skills. The second part of the course consists of several hands-on estimating practice exercises that will include identification and calculation of vehicle damage on many different types of automobile damage.

**ABR 250 OVERALL REFINISHING, 3 HOURS
MATCHING AND BLENDING**

Prerequisite(s): ABR 123, ABR 151, or instructor approval

This course teaches students procedures for overall refinishing, color adjustment techniques, identification and correction of color mismatching, and specialty refinishing applications.