



**AUTOMOTIVE  
COLLISION REPAIR  
ASSOCIATE IN APPLIED SCIENCE**

Your Butler experience will prepare you to apply technical knowledge and skills to repair, reconstruct and finish automobile bodies, fenders, and external features. This program includes training in structure analysis, damage repair, non-structural analysis, mechanical and electrical components, plastics and adhesives, painting and refinishing techniques, and damage analysis and estimating. You will be ready to sit for the Automotive Service Excellence (A.S.E.) exams at the completion of the program. Additional lab fees are assessed to each program course and subject to change. Students are required to purchase their own tools by the end of the first week of class. Estimated cost is \$2,000. These classes are in high demand and fill quickly. This program is Automotive Service Excellence (ASE) certified.

**General Education Requirements** **18 Hours**  
**Communications** **6**

- \_\_\_ English Comp I (EG 101)
- \_\_\_ Public Speaking (SP 100)  
or Interpersonal Communication (SP 102)

**Science, Math and Computer Science** **9**

- \_\_\_ Math Requirement (MA 114 or above)
- \_\_\_ Science Requirement (PH 109 or CH 105 or above)
- \_\_\_ Computer Science Requirement

**Social/Behavioral Science Requirement** **3**

- \_\_\_ Sociology (BS 105)  
or
- \_\_\_ General Psychology (BS 160)

**Required Courses** **40.5 Hours**

- Semester 1
- \_\_\_ Intro to Collision Repair (AB 101) 2
  - \_\_\_ Auto Body Welding (AB 103) 4
  - \_\_\_ Non-Structural Analysis and Damage Repair I (AB 112) 3
  - \_\_\_ Plastics and Adhesives I (AB 115) 2
- Semester 2
- \_\_\_ Non-Structural Analysis Damage Repair II (AB 122) 2
  - \_\_\_ P&R: Surface Prep/Safety (AB 126) 3
  - \_\_\_ Structural Analysis Damage Repair/Frames (AB 124) 3
  - \_\_\_ Plastics and Adhesives II (AB 125) 2
- Semester 3
- \_\_\_ Non-Structural Analysis Damage Repair III (AB 232) 3
  - \_\_\_ Structural Analysis Repair/Unibody (AB 234) 3

- \_\_\_ P&R: Spray Gun Operation I (AB 236) 3
  - \_\_\_ Non Structural Analysis Damage Repair IV (AB 242) 1.5
- Semester 4
- \_\_\_ P&R: Spray Gun Operation II (AB 246) 3
  - \_\_\_ Structural Analysis Damage Repair/Per Comp (AB 244) 3
  - \_\_\_ P&R: Problem Solving (AB 247) 3

**Related Electives** **6 Hours**

- \_\_\_ Small Business Management (BA 109) 3
- \_\_\_ Intro to Business (BA 110) 3
- \_\_\_ Personal Finance (BA 112) 3
- \_\_\_ Principles of Management (BA 210) 3
- \_\_\_ Personal Selling (BA 215) 3
- \_\_\_ Industrial Mgmt. & Supervision (IT 141) 3
- \_\_\_ Industrial Safety (IT 205) 3
- \_\_\_ Cooperative Education (AB 197) 2

This is a two-year degree program - no exceptions will be made to shorten the time. A total of 64.5 credit hours is required for this degree. In addition to the 18 credit hours of general education requirements and 40.5 credit hours of required courses, choose 6 credit hours from the list of related electives.

**Collision Repair Technology**

Career Program  
Degree Offered: Associate in Applied Science  
Credits Required: 64.5  
Contact: Donnie Smith, Lead Instructor, at 316.322.6890 or Dennis Rittle, Technical Advancement Director, at 316.322.3277

**Program Information**

Classes prepare students for the Automotive Service Excellence (ASE) certification test.

**Recommendations**

These classes are in high demand and fill quickly. Enrollment is limited.

**Accreditation**

NATEF was founded with a single mission: "To evaluate technician training programs and recommend qualifying programs for certification (accreditation) by the National Institute for Automotive Service Excellence."

**Additional Costs/Tool Requirement**

An additional \$25 lab fees is assessed to each program course and subject to change. Students are required to purchase their own tools throughout the program at an estimated cost of \$3,000. Uniforms will be required. Approximate uniform cost is \$150 per year.

**Prior to Admission**

Appropriate placement score(s), see an advisor for details.

**Recommended Course Sequence**

Classes must be taken in the following sequence. This is a two-year associate degree program.

- Fall Start
- Semester 1: AB 101, AB 103, AB 112, AB 115 (fall, first-year student)
- Semester 2: AB 122, AB 126, AB 124, AB 125 (spring, first-year student)
- Semester 3: AB 234, AB 232, AB 236, AB 242 (fall, second-year student)
- Semester 4: AB 246, AB 244, AB 247 (spring, second-year student)

Spring Start

- Semester 1: AB 101, AB 103, AB 112, AB 115 (spring, first-year student)
- Semester 2: AB 122, AB 126, AB 124, AB 125 (fall, first-year student)
- Semester 3: AB 234, AB 232, AB 236, AB 242 (spring, second-year student)
- Semester 4: AB 246, AB 244, AB 247 (fall, second-year student)

**After Butler**

Recent graduates hold positions as Collision Repair Technicians, Automotive Refinish Technicians.

**Median Wage** for Automotive Body and Related Repairers in South Central Kansas is \$32,974 per year. (Source: Workforce Planning Guide & Wage Survey, Local Area IV 2003 Edition, KDHR.)



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**Required Courses** **40.5 Hours**

Semester 1		
___Intro to Collision Repair	(AB 101)	2
___Auto Body Welding	(AB 103)	4
___Non-Structural Analysis		
Damage Repair I	(AB 112)	3
Plastics and Adhesives I	(AB 115)	2
Semester 2		
___Non-Structural Analysis		
___Damage Repair II	(AB 122)	2
___P&R: Surface Prep/Safety	(AB 126)	3
___Structural Analysis		
Damage Repair/Frames	(AB 124)	3
___Plastics and Adhesives II	(AB 125)	2
Semester 3		
___Non-Structural Analysis		
Damage Repair III	(AB 232)	3
___Structural Analysis Repair/		
Unibody	(AB 234)	3
___P&R: Spray Gun Operation I	(AB 236)	3
___Non Structural Analysis		
Damage Repair IV	(AB 242)	1.5
Semester 4		
___P&R: Spray Gun Operation II	(AB 246)	3
___Structural Analysis		
Damage Repair III	(AB 244)	3
___P&R: Problem Solving	(AB 247)	3

**Certificate requires 41 credit hours.**

**Collision Repair Technology**

Career Program

Certificate Offered:

Automotive/Collision Repair

Credits Required: 40.5

Contact: Donnie Smith, Instructor, at 316.323.6890 or Dennis Rittle, Technical Advancement Director, at 316.322.3277

**Program Information**

These classes prepare students for the Automotive Service Excellence (ASE) certification test.

**Recommendations**

These classes are in high demand and fill quickly. Enrollment is limited.

**Accreditation**

NATEF was founded with a single mission: "To evaluate technician training programs and recommend qualifying programs for certification (accreditation) by the National Institute for Automotive Service Excellence."

**Additional Costs/Tool Requirement**

An additional \$25 lab fees is assessed to each program course and subject to change. Students are required to purchase their own tools at the beginning of the program at an estimated cost of \$1,500. Approximate uniform cost is \$150 per year.

**Prior to Admission**

Appropriate placement score(s), see an advisor for details.

**Recommended Course Sequence**

Classes must be taken in the following sequence. This is a two-year certificate program.

Fall Start

Semester 1: AB 101, AB 103, AB 112, AB 115

Semester 2: AB 122, AB 126, AB 124, AB 125

Semester 3: AB 234, AB 232, AB 236, AB 242

Semester 4: AB 246, AB 244, AB 247

Spring Start

Semester 1: AB 101, AB 103, AB 112, AB 115

Semester 2: AB 122, AB 126, AB 124, AB 125

Semester 3: AB 234, AB 232, AB 236, AB 242

Semester 4: AB 246, AB 244, AB 247

**After Butler**

Recent graduates hold positions as Collision Repair Technicians, Automotive Refinish Technicians.

**Median Wage** for Automotive Body and Related Repairers in South Central Kansas is \$32,974 per year.

(Source: Workforce Planning Guide & Wage Survey, Local Area IV 2003 Edition, KDHR.)

## AUTOMOTIVE TECHNOLOGY

### ASSOCIATE IN APPLIED SCIENCE

Your Butler experience will prepare you to apply technical knowledge and skills to repair, service and maintain all types of automobiles. Skills included are brake systems, electrical systems, engine performance, engine repair, and suspension and steering. Additional lab fees are assessed to each program course and subject to change. Students are required to purchase their own tools by the end of the first week of class. Estimated cost is \$3,000. National companies offer discounts at the beginning of training. These classes prepare students for the Automotive Service Excellence (ASE) certification test. These classes are in high demand and fill quickly. The Automotive Technology program is Automotive Service Excellence (ASE) certified.

<b>General Education Requirements</b>		<b>18 Hours</b>
<b>Communications</b>		<b>6</b>
___English Comp I	(EG 101)	
___Interpersonal Communication	(SP 102)	
<b>Science and Math</b>		<b>9</b>
___Math Requirement	(MA 114 or above)	
___Science Requirement	(PH 109 or CH 105 or above)	
___Computer Science Requirement		
<b>Social/Behavioral Science Requirement</b>		<b>3</b>
___Sociology	(BS 105)	
or		
___General Psychology	(BS 160)	
<b>Required Courses</b>		<b>34 Hours</b>
<b>Semester 1</b>		
___Engine Performance I	(AT 101)	4
___Auto Electrical Systems I	(AT 102)	3
___Automotive Brakes I	(AT 103)	3
___Engine Performance II	(AT 104)	3
___Auto Electrical Systems II	(AT 105)	2
___Automotive Brakes II	(AT 106)	3
<b>Semester 2</b>		
___Engine Performance III	(AT 201)	3
___Auto Electrical Systems III	(AT 202)	3
___Suspension and Steering I	(AT 203)	2
___Engine Performance IV	(AT 204)	3
___Auto Electrical Systems IV	(AT 205)	2
___Suspension and Steering II	(AT 206)	3
<b>Related Electives</b>		<b>10</b>
___Small Business Management	(BA 109)	3
___Intro to Business	(BA 110)	3
___Personal Finance	(BA 112)	3
___Principles of Management	(BA 210)	3
___Personal Selling	(BA 215)	3
___Industrial Mgmt. & Supervision	(IT 141)	3
___Industrial Safety	(IT 205)	3
___Cooperative Education	(AT 197)	2

A total of 62 credit hours is required for this degree. In addition to the 18 credit hours of general education requirements and 34 credit hours of required courses, choose 10 credit hours from the list of related electives:

#### **Automotive Technology**

Career Program

Degree Offered: Associate in

Applied Science

Credits Required: 62

Contact: Jeremy Carlson, Lead Instructor, at 316.322.3287 or Dennis Rittle, Technical Advancement Director, at 316.322.3277

#### **Program Information**

These classes prepare students for the Automotive Service Excellence (ASE) certification test.

#### **Recommendations**

These classes are in high demand and fill quickly. Enrollment is limited.

#### **Accreditation**

NATEF was founded with a single mission: "To evaluate technician training programs and recommend qualifying programs for certification (accreditation) by the National Institute for Automotive Service Excellence."

#### **Additional Costs/Tool Requirement**

An additional \$25 lab fees is assessed to each program course and subject to change. Students are required to purchase their own tools at the beginning of the program at an estimated cost of \$2,500 to \$3,000. National companies offer discounts at the beginning of training. Approximate uniform cost is \$150 per year.

#### **Prior to Admission**

Appropriate placement score(s), see an advisor for details.

#### **After Butler**

Recent graduates hold positions as Automotive Dealership Technicians, Automotive Dealership Service Writers, and Independent Automotive Technicians.

**Median Wage** for Automotive Service Technicians and Mechanics in South Central Kansas is \$22,485 per year.

(Source: Workforce Planning Guide & Wage Survey, Local Area IV 2003 Edition, KDHR.)



## AUTOMOTIVE TECHNOLOGY

### CERTIFICATE

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#### Required Courses

**34 Hours**

One-Year Program

Semester 1

___Engine Performance I	(AT 101)	4
___Auto Electrical Systems I	(AT 102)	3
___Automotive Brakes I	(AT 103)	3
___Engine Performance II	(AT 104)	3
___Auto Electrical Systems II	(AT 105)	2
___Automotive Brakes II	(AT 106)	3

Semester 2

___Engine Performance III	(AT 201)	3
___Auto Electrical Systems III	(AT 202)	3
___Suspension and Steering I	(AT 203)	2
___Engine Performance IV	(AT 204)	3
___Auto Electrical Systems IV	(AT 205)	2
___Suspension and Steering II	(AT 206)	3

**Certificate requires 34 credit hours.**

#### Automotive Technology

Career Program

Certificate Offered: Automotive Technology

Credits Required: 34

Contact: Jeremy Carlson, Lead Instructor, at 316.322.3287 or Dennis Rittle, Technical Advancement Director, at 316.322.3277

#### Program Information

These classes prepare students for the Automotive Service Excellence (ASE) certification test.

#### Recommendations

Classes are in high demand and fill quickly. Enrollment is limited.

#### Accreditation

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#### Additional Costs/Tool Requirement

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#### Prior to Admission

Appropriate placement score(s), see an advisor for details.

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