

## Collision Repair Technology

Career Program  
Degree Offered: Associate in Applied Science  
Credits Required: 64.5  
Contact: Ken Goering, Instructor, at 316.322.3149 or Becki Foster, 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

Automotive Service Excellence (ASE) certified.

### 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 \$100 per year.

### Prior to Admission

Students are required to take the ASSET test. Students must score a minimum of 37 Reading, 35 Writing, and 35 Numerical Math.

### Recommended Course Sequence

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

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)

### 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

## 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 learning 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 \$3,000. Upon program completion, students must have purchased all required tools. These classes are in high demand and fill quickly. This program is Automotive Service Excellence (ASE) certified.

### General Education Requirements

Course	Hours
<b>Communications</b>	<b>6</b>
___ English Comp I (EG 101)	
___ Public Speaking (SP 100)	
or Interpersonal Communications (SP 102)	
<b>Science, Math and Computer Science</b>	<b>9</b>
___ Math Requirement (MA 114 or above)	
___ Science Requirement (PH 109 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>Hours</b>
<b>Fall 1st Year</b>	
___ Intro to Collision Repair (AB 101)	2
___ Auto Body Welding (AB 103)	4
___ Plastics and Adhesives I (AB 115)	2
___ Non-Structural Analysis Damage Repair (AB 112)	3

### Spring 1st Year

___ 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

### Fall 2nd Year

___ Non-Structural Analysis Damage Repair III (AB 232)	3
___ Structural Analysis Repair/Unibody (AB 234)	3
___ P&R: Spray Gun Operations I (AB 236)	3
___ Non Structural Analysis Damage Repair IV (AB 242)	1.5

### Spring 2nd Year

___ 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

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, you can choose 6 credit hours from the list of related electives below:

Related Electives	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

# AUTOMOTIVE COLLISION REPAIR

## CERTIFICATE

Your Butler experience will prepare you to apply technical knowledge and skills to repair, reconstruct and finish automobile bodies, fenders, and external features. Skills included are 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 (ASE) 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 \$3,000. Upon program completion, students must have purchased all required tools. These classes prepare students for the Automotive Service Excellence (ASE) certification test. These classes are in high demand and fill quickly. This program is Automotive Service Excellence (ASE) certified. The Automotive Collision Repair certificate program is a two-year program.

Required Courses	Hours
<b>Fall 1st Year</b>	
___Intro to Collision Repair (AB 101)	2
___Auto Body Welding (AB 103)	4
___Plastic and Adhesives I (AB 115)	2
___Non-Structural Analysis Damage Repair (AB 112)	3

<b>Spring 1st Year</b>	
___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
<b>Fall 2nd Year</b>	
___Non-Structural Analysis Damage Repair III (AB 232)	3
___Structural Analysis Repair/ Unibody (AB234)	3
___P&R: Spray Gun Operation I (AB 236)	3
___Non Structural Analysis Damage Repair IV (AB 242)	1.5
<b>Spring 2nd Year</b>	
___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 40.5 credit hours.**

### Collision Repair Technology

Career Program  
Certificate Offered:  
Automotive/Collision Repair  
Credits Required: 40.5  
Contact: Ken Goering, Instructor, at 316.322.3149 or Becki Foster, 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

This program is Automotive Service Excellence (ASE) certified.

#### 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 \$100 per year.

#### Prior to Admission

Students are required to take the ASSET test. Students must score a minimum of 37 Reading, 35 Writing and 35 Numerical Math.

#### Recommended Course Sequence

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

Fall, first-year:

AB 101, AB 103, AB 112, AB 115

Spring, first-year:

AB 122, AB 126, AB 124, AB 125

Fall, second-year:

AB 234, AB 232, AB 236, AB 242

Spring, second-year:

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

Career Program  
Degree Offered: Associate in Applied Science  
Credits Required: 62  
Contact: Mike Fatkin, Lead Instructor, at 316.322.3257 or Becki Foster, 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

Automotive Service Excellence (ASE) certification pending.

### 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 \$100 per year.

### Prior to Admission

Students are required to take the ASSET test. Students must score a minimum of 37 Reading, 35 Writing, and 35 Numerical Math.

### 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

### 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's Automotive Service Excellence (ASE) certification is pending.

### General Education Requirements

Course	Hours
<b>Communications</b>	<b>6</b>
___English Comp I (EG 101)	
___Public Speaking (SP 100) or Interpersonal Communications (SP 102)	
<b>Science and Math</b>	<b>9</b>
___Math Requirement (MA 114 or above)	
___Science Requirement (PH 109 or above)	
___Computer Science Requirement	
<b>Social/Behavioral Science Requirement</b>	<b>3</b>
___Sociology (BS 105) or ___General Psychology (BS 160)	

### Required Courses: A.A.S.

One-Year Program	Hours
<b>Fall</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

### Spring

___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

### Two-Year Program Option

#### Fall 1st Year

___Engine Performance I (AT 101)	4
___Auto Electrical Systems I (AT 102)	3
___Auto Electrical Systems II (AT 105)	2

#### Spring 1st Year

___Automotive Brakes I (AT 103)	3
___Engine Performance II (AT 104)	3
___Automotive Brakes II (AT 106)	3

#### Fall 2nd Year

___Engine Performance III (AT 210)	3
___Auto Electrical Systems III (AT 202)	3
___Auto Electrical Systems IV (AT 205)	2

#### Spring 2nd Year

___Suspension and Steering (AT 203)	2
___Engine Performance IV (AT 204)	3
___Suspension and Steering II (AT 206)	3

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, you can choose 10 credit hours from the list of related electives below:

### Related Electives

___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

# AUTOMOTIVE TECHNOLOGY

## CERTIFICATE

Your Butler experience will prepare you to apply technical knowledge and skills to repair, service, and maintain all types of automobiles. Skills include brake systems, electrical systems, engine performance, engine repair and suspension and steering. Additional lab fees are assessed to each program courses 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's Automotive Service Excellence (ASE) certification is pending.

### Required Courses, Certificate Program

#### One-Year Program

		Hours
<b>Fall</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>Spring</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

Certificate requires 34 credit hours.

#### Two-Year Program Option

##### Fall 1st Year

___ Engine Performance I	(AT 101)	4
___ Auto Electrical Systems I	(AT 102)	3
___ Auto Electrical Systems II	(AT 105)	2

##### Spring 1st Year

___ Automotive Brakes I	(AT 103)	3
___ Engine Performance II	(AT 104)	3
___ Automotive Brakes II	(AT 106)	3

##### Fall 2nd Year

___ Engine Performance III	(AT 201)	3
___ Auto Electrical Systems III	(AT 202)	3
___ Auto Electrical Systems IV	(AT 205)	2

##### Spring 2nd Year

___ Suspension and Steering I	(AT 203)	2
___ Engine Performance IV	(AT 204)	3
___ Suspension and Steering II	(AT 206)	3

#### Hours

### Automotive Technology

Career Program  
 Certificate Offered: Automotive  
 Technology  
 Credits Required: 34  
 Contact: Mike Fatkin, Lead Instructor, at 316.322.3257 or Becki Foster, Technical Advancement Director, at 316.322.3277

#### Program Information

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#### Recommendations

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#### Accreditation

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#### Additional Costs/Tool Requirement

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#### After Butler

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