



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 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 \$1,500. These classes are in high demand and fill quickly. This program is Automotive Service Excellence (ASE) certified.

General Education Requirements Communications 18 Hours 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 |
| __Plastics and Adhesives I | (AB 115) | 2 |
| __Non-Structural Analysis Damage Repair | (AB 112) | 3 |
| 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: Frank Robinson, Instructor, at 316.322.3288 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

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 \$100 per year.

Prior to Admission

Students must have appropriate ACT scores or take the ASSET test.

Students must score a minimum of 37 Reading, 35 Writing, and 35 Numerical Math on the ASSET test.

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.)



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. 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 (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 \$1,500. These classes are in high demand and fill quickly. This program is Automotive Service Excellence (ASE) certified.

Required Courses

40.5 Hours

Semester 1

| | | |
|--|----------|---|
| __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 |

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 40.5 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 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

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

Students must have appropriate ACT scores or take the ASSET test.

Students must score a minimum of 37 Reading, 35 Writing, and 35 Numerical Math on the ASSET test.

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.

General Education Requirements 18 Hours Communications 6

- __English Comp I (EG 101)
- __Interpersonal Communication (SP 102)

Science and Math 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 34 Hours

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

Related Electives 10

- __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 below:

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

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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

Students must have appropriate ACT scores or take the ASSET test.

Students must score a minimum of 37 Reading, 35 Writing, and 35 Numerical Math **on the ASSET test.**

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 One-Year Program

34 Hours

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: Mike Fatkin, Lead Instructor, at 316.322.3257 or Becki Foster, Technical Advancement Director, at 316.322.3277

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