

**AUTOMOTIVE TECHNICIAN**  
Associate in Occupational Technologies Degree  
74 Credit Hours

*Note: PSY 100 Orientation and WKO 107 Workplace Skills Preparation are required during the first semester of attendance for all students entering this program. The A.O.T. degree requires a high school diploma or its equivalent.*

**Major:** Automotive Technician (AUM) Certificate

**Minor:** Medium/Heavy Truck Technician (DEM)

	<b>Semester Hours</b>
<b>General Studies Courses</b>	<b>26</b>
• RDG 114 Critical Reading for College	2
<b>Area I – Written Composition</b>	<b>3</b>
• ENG 101 English Composition I	
<b>Area II – Humanities &amp; Fine Arts</b>	<b>6</b>
• SPH 107 Fundamentals of Public Speaking	
• Humanities and Fine Arts Course	
<b>Area III – Natural Science &amp; Mathematics</b>	<b>12</b>
• Two 1-hour PED activity courses	2
• Natural Science Course	4
• CIS 146 Microcomputer Applications	3
• MTH 100 Intermediate College Algebra	3
<b>Area IV – History, Social, &amp; Behavioral Sciences</b>	<b>3</b>
• History, Social, or Behavioral Science Course	
<b>Area V – Minor/Elective Courses</b>	<b>12</b>
<i>Select 12 credit hours from the following courses:</i>	
• DEM 104 Basic Engines	3
• DEM 105 Preventive Maintenance	3
• DEM 111 Safety, Tool Management	3
• DEM 122 Heavy Vehicle Brakes	3
• DEM 123 Pneumatics and Hydraulics	3
• INT 234 Principles of Industrial Maintenance	
• Welding and Metal Cutting Techniques	3

## BARBERING (BAR)

**MISSION:** The mission of the program is to prepare graduates to be successful in hairstyling and personal appearance industry.

The barbering program is to prepare students in the art and science of haircutting, styling, treating scalp disorders, hair cleansing, manicures, pedicures, first aid and bacteriology. Students will learn municipal and state regulations pertaining to cosmetology, chemistry, tinting, bleaching, coloring, and dyeing hair. This program consists of one short certificate and one certificate.

**BARBERING**  
Short Certificate – 29 Credit Hours

*Note: PSY 100 Orientation and WKO 107 Workplace Skills Preparation are required during the first semester of attendance for all students entering this program.*

	<b>Semester Hours</b>
• PSY 100 Orientation	1
• WKO 107 Workplace Skills Preparation	1
• BAR 110 Orientation to Barbering	3
• BAR 111 Science of Barbering	3
• BAR 112 Bacteriology and Sanitation	3
• BAR 113 Barber-Styling Lab	3
• BAR 120 Properties of Chemistry	3
• BAR 121 Chemical Hair Processing	3
• BAR 132 Hair Styling and Design	3
• BAR 133 Hair Styling and Management Lab	3

*Select one of the following courses:*

• BAR 130 Marketing and Business Management	3
• BAR 131 Structure and Disorders of Nails	3

**BARBERING**  
Certificate – 51 Credit Hours

*Note: PSY 100 Orientation and WKO 107 Workplace Skills Preparation are required during the first semester of attendance for all students entering this program.*

	<b>Semester Hours</b>
<b>General Studies Courses</b>	<b>12</b>
<b>Composition</b>	<b>3</b>
• COM 100 Career Technical English	
<b>Computers</b>	<b>3</b>
• DPT 103 Introductory Computer Skills	
<b>Mathematics</b>	<b>3</b>
• MAH 101 Introductory Technical Math I	
<b>Communications</b>	<b>3</b>
<i>Select one of the following courses:</i>	
• SPC 103 Career Technical Speaking	
• SPH 107 Fundamentals of Public Speaking	
<b>Pre-Professional Courses</b>	<b>3</b>
• PSY 100 Orientation	1
• WKO 107 Workplace Skills Preparation	1
• BSS 220 Professional Transition	1
<b>Major Courses</b>	<b>36</b>
• BAR 110 Orientation to Barbering	3
• BAR 111 Science of Barbering	3
• BAR 112 Bacteriology and Sanitation	3
• BAR 113 Barber-Styling Lab	3
• BAR 120 Properties of Chemistry	3
• BAR 121 Chemical Hair Processing	3
• BAR 122 Hair Coloring Chemistry	3
• BAR 124 Hair Coloring Methodology Lab	3
• BAR 130 Marketing and Business Management	3
• BAR 131 Structure and Disorders of Nails	3
• BAR 132 Hair Styling and Design	3
• BAR 133 Hair Styling and Management Lab	3

## BUILDING CONSTRUCTION (BUC)

**MISSION:** The mission of the Building Construction program is to prepare students for successful employment in residential and commercial construction and to offer continuing education.

The skills taught in the Building Construction program, when coupled with field experience, permits graduates to advance to project managers, appraisers, first-line supervisors, estimators, expeditors and building inspectors. The Associate degree in Building Construction begins with blueprint reading and basic tools and materials. Classes provide opportunities to work on foundations, floors, walls, and roofs. Students will also gain experience in the use of industry standard computer software. This program consists of one short certificate and one A.A.S. degree.

### BUILDING CONSTRUCTION Short Certificate – 26 Credit Hours

*Note: PSY 100 Orientation and WKO 107 Workplace Skills Preparation are required during the first semester of attendance for all students entering this program.*

#### Semester Hours

- PSY 100 Orientation 1
- WKO 107 Workplace Skills Preparation 1

*Select 24 credit hours from the following specialties:*

- BUC 110 Basic Construction Tools and Materials 3
- BUC 111 Basic Construction Layout 3
- BUC 112 Construction Measurements and Cal. 3
- BUC 113 Basic Construction Blueprint 3
- BUC 115 Roof and Ceiling Framing 3
- BUC 121 Foundations, Floors and Walls 3
- BUC 131 Interior and Exterior Finishes 3
- BUC 132 Advanced Construction Blueprint 3
- BUC 133 Planning, Codes, and Scheduling 3
- BUC 141 On-Grade Concrete Applications 3
- BUC 142 Planning/Estimation I 3
- BUC 143 Above-Grade Concrete Applications 3
- BUC 150 Homebuilders Licensure 2
- BUC 212 Basic Construction Drafting 3
- BUC 220 Special Problems in Building Construction 3
- BUC 236 Co-op Work Experience 1
- CMT 105 Construction materials and Methods 3
- CMT 204 Concrete Construction 3
- CMT 205 Construction Management 3
- CMT 206 Construction Estimating 3
- CMT 217 Software Applications in Construction 3

## BUILDING CONSTRUCTION Associate of Applied Science Degree – 68 Credit Hours

*Note: PSY 100 Orientation and WKO 107 Workplace Skills Preparation are required during the first semester of attendance for all students entering this program. The A.A.S. degree requires a high school diploma or its equivalent.*

#### Semester Hours

#### General Studies Courses 26

- RDG 114 Critical Reading for College 2

#### Area I – Written Composition 3

- ENG 101 English Composition I

#### Area II – Humanities & Fine Arts 6

- SPH 107 Fundamentals of Public Speaking
- Humanities and Fine Arts Course

#### Area III – Natural Science & Mathematics 12

- Two 1-hour PED activity courses 2
- Natural Science Course 4
- CIS 146 Microcomputer Applications 3
- MTH 100 Intermediate College Algebra 3

#### Area IV – History, Social, & Behavioral Sciences 3

- History, Social, or Behavioral Science Course

#### Pre-Professional Courses 3

- PSY 100 Orientation 1
- WKO 107 Workplace Skills Preparation 1
- BSS 220 Professional Transition 1

#### Area V – Major Courses 39

*Select 39 credit hours from the following courses:*

- BUC 110 Basic Construction Tools and Materials 3
- BUC 111 Basic Construction Layout 3
- BUC 112 Construction Measurements and Cal. 3
- BUC 113 Basic Construction Blueprint 3
- BUC 115 Roof and Ceiling Framing 3
- BUC 121 Foundations, Floors and Walls 3
- BUC 131 Interior and Exterior Finishes 3
- BUC 132 Advanced Construction Blueprint 3
- BUC 133 Planning, Codes, and Scheduling 3
- BUC 141 On-Grade Concrete Applications 3
- BUC 142 Planning/Estimation I 3
- BUC 143 Above-Grade Concrete Applications 3
- BUC 150 Homebuilders Licensure 2
- BUC 212 Basic Construction Drafting 3
- BUC 220 Special Problems in Building Construction 3
- BUC 236 Co-op Work Experience 1
- CMT 105 Construction materials and Methods 3
- CMT 204 Concrete Construction 3
- CMT 205 Construction Management 3
- CMT 206 Construction Estimating 3
- CMT 217 Software Applications in Construction 3