

PROJECT PATHWAYS

Career Exploration | Hometown Workforce Development

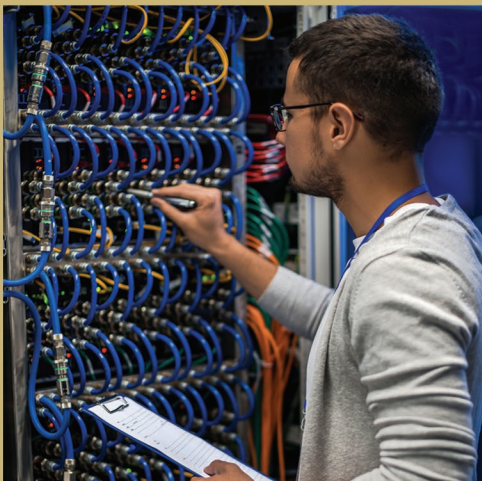


TABLE OF CONTENTS

GENERAL INFORMATION

Individualized Career Academic Planning	1
2023 Graduation Requirements	4
2024 Graduation Requirements	6
2025 Graduation Requirements	8
2026 Graduation Requirements	10

AGRICULTURE FOOD & NATURAL RESOURCES 12

Environmental Science System	13
Animal Science	14
Plant & Soil Science.....	15
Power, Structures & Technology	16
Agricultural Communications	17

ARCHITECTURE & CONSTRUCTION 18

Design/Pre Construction	19
Construction.....	21

ARTS, A/V TECHNOLOGY & COMMUNICATIONS 23

Audio/Visual (A/V) Technology and Film	24
Journalism and Broadcasting.....	26
Performance Art.....	28
Printing Technology.....	29
Visual Arts.....	30

BUSINESS MANAGEMENT & ADMINISTRATION 31

Business Management and Administration	32
Human Resources	34

EDUCATION & TRAINING 35

Early Childhood Teaching	36
Plus ONE AA to NSU Early Childhood	38
Elementary Education.....	40
PLUS ONE AA to NSU Elementary Education	42
Secondary Education.....	44
PLUS ONE AA to NSU Secondary Education	46

FINANCE 48

Business Finance.....	49
-----------------------	----

GOVERNMENT & PUBLIC ADMINISTRATION 51

Foreign Service.....	52
Government and Public Management and Administration.....	53

HEALTH SCIENCE 54

Therapeutic Services	55
----------------------------	----

HOSPITALITY & TOURISM 57

Restaurant and Food and Beverage Services.....	58
Travel and Tourism.....	59

HUMAN SERVICES 61

Counseling and Mental Health Services	62
Cosmetology.....	63
Personal Training.....	64

INFORMATION TECHNOLOGY 65

Network Systems/Information Support and Services	66
Programming and Software Development.....	68

LAW, PUBLIC SAFETY, CORRECTIONS & SECURITY 70

Criminal Justice	71
Emergency and Fire Management Services	73

MANUFACTURING 75

Manufacturing	76
---------------------	----

MARKETING 78

Marketing.....	79
----------------	----

SCIENCE, TECHNOLOGY, ENGINEERING & MATHEMATICS 80

Engineering.....	81
Science Research and Development	83
Social Science Research and Development	84
Mathematics	85

TRANSPORTATION, DISTRIBUTION & LOGISTICS 86

Facility and Mobile Equipment Maintenance	87
---	----

PROJECT PATHWAYS

Individualized Career Academic Planning

	1 ST QUARTER	2 ND QUARTER	3 RD QUARTER	4 TH QUARTER
6th Grade	<ul style="list-style-type: none"> SMART Goal setting DC Interest inventory Defined Careers Exploration Project 	<ul style="list-style-type: none"> Defined Careers Exploration Project 	<ul style="list-style-type: none"> Create Course Plan Review 7th Grade Courses Defined Careers Exploration Project 	<ul style="list-style-type: none"> SMART Goals Reflection Defined Careers Exploration Project
7th Grade	<ul style="list-style-type: none"> SMART Goal setting Defined Careers Interest Inventory Defined Careers Exploration Project 	<ul style="list-style-type: none"> Defined Careers Exploration Project 	<ul style="list-style-type: none"> Create Course Plan for 8th Grade Defined Careers Exploration Project 	<ul style="list-style-type: none"> SMART Goal Reflection Defined Careers Exploration Project
8th Grade	<ul style="list-style-type: none"> Identify potential careers and pathways Defined Career Exploration Project 	<ul style="list-style-type: none"> Career SMART Goal 	<ul style="list-style-type: none"> Academy Forums Create Course Plan for 9th Grade Choose Career Pathway Defined Careers Exploration Project 	<ul style="list-style-type: none"> Portrait of a BA Graduate High School Preview Apply ECHS/Vanguard Defined Careers Exploration Project
9th Grade	<ul style="list-style-type: none"> Academic SMART Goal Defined careers Interest Inventory Resume Building Manufacturing Day 	<ul style="list-style-type: none"> Review 1st semester grades Portrait of a BA Graduate 	<ul style="list-style-type: none"> Create and Revise Course Plan Healthcare Day 	<ul style="list-style-type: none"> Add/revise Resume Academic SMART Goal Reflection Portrait of BA Graduate Course Reflection and Planning
10th Grade	<ul style="list-style-type: none"> Academic SMART Goal Defined Careers Interest Inventory College Fair OKCollegestart.org 	<ul style="list-style-type: none"> Career Exploration Tech Tour Portrait of a BA Graduate 	<ul style="list-style-type: none"> Create/Revise Course Plan 	<ul style="list-style-type: none"> Add/Revise Resume Academic SMART Goal Reflection Profile of BA Graduate Reflection & Planning Consider Tulsa Technology Consider College Courses
11th Grade	<ul style="list-style-type: none"> Post-Secondary SMART Goal Internship/Apprenticeship Opportunities College Fair Career Fair 	<ul style="list-style-type: none"> Apply for early admissions to college Defined Careers Interest Inventory 	<ul style="list-style-type: none"> Prepare for FAFSA Create/Revise Course Plan Job Fair 	<ul style="list-style-type: none"> Add/Revise Resume Post-Secondary SMART Goal Reflection Profile of a BA Graduate Reflection & Planning Internship/Apprenticeship Opportunities
12th Grade	<ul style="list-style-type: none"> Post-Secondary SMART Goal Internship Opportunities Scholarship Search College Fair 	<ul style="list-style-type: none"> FAFSA Review Financial Aid Offers Revise Resume 	<ul style="list-style-type: none"> College applications Job Fair 	<ul style="list-style-type: none"> Graduation Portrait of a BA Graduate



2023 Graduation Requirements



Student Full Name _____

Career Goal _____

23 units or sets of competencies are required to meet state graduation requirements.
70 O.S. § 11-103.6; OAC 210:35-25-2

Mark beside each course upon successful completion of required unit or set of competencies as each semester credit for course is earned. Refer to the most recent [Subject Codes list](#) for approved courses in each area, and the [OSDE's Instruction page](#) for more information regarding each subject area.

Coursework Requirements

English (4)

- ___ ___ English I
- ___ ___ English II
- ___ ___ English III
- ___ ___ English IV
- ___ ___ Other Approved Course _____

Mathematics (3)

3 are required in grades 9-12.

- ___ ___ Algebra I
- ___ ___ Geometry
- ___ ___ Algebra II
- ___ ___ Algebra III
- ___ ___ Pre-Calculus
- ___ ___ Other Approved Course _____

Laboratory Science (3)

- ___ ___ Biology I
- ___ ___ Chemistry, Physics, or Physical Science
- AND**
- ___ ___ Other Physical Science _____
- ___ ___ **OR** Other Life Science _____
- ___ ___ **OR** Earth/Space Science _____

History & Citizenship (3)

- ___ ___ 1/2 Oklahoma History
- ___ ___ 1/2 Government
- ___ ___ U.S. History
- ___ ___ Other Approved Course _____

World/Non-English Language OR Computer Technology (2)

- ___ ___ 1st year of Language: _____
- ___ ___ 2nd year of **same** Language
- OR**
- ___ ___ 1st year of Computer Technology
- ___ ___ 2nd year of Computer Technology

Excludes keyboarding or typing courses.

Fine Arts or Speech (1)

- ___ ___ Music, Art, Dance, or Drama
- ___ ___ Humanities
- ___ ___ Speech or Communications

Additional Unit (1)

Choose **either** one of the following subjects:

- English
- Math
- Science
- History
- World Languages
- Computer Technology

Or one of the following courses approved for college admission:

- Career Technology Education
- Concurrently Enrolled
- Advanced Placement
- International Baccalaureate

Electives (6)

23 units or sets of competencies are required to meet state graduation requirements.

Total Units Upon Final Check must match **Total Units Earned** on Page 5.

Total Units Upon Final Check:



2023 Graduation Requirements



Other Requirements

State law requires that students meet the additional requirements below in order to graduate from a public high school with a standard diploma. [70 O.S. § 1210.508](#)

Assessments

Taken in 11th Grade:

___ ACT **OR** ___ SAT

___ Science Assessment

Taken once during High School:

___ U.S. History

Certificates or Endorsements (if any)

Additional Requirements

_____ Personal Financial Literacy Passport
[70 O.S. § 11-103.6H](#)

_____ CPR/AED [70 O.S. § 1210.199](#)

Individual Career Academic Plan (ICAP)

Beginning with students entering the ninth grade in the 2019-2020 school year (class of 2023), each student is required to complete the process of an Individual Career Academic Plan (ICAP) in order to graduate from a public high school with a standard diploma. [70 O.S. § 2320.508-4](#)

The ICAP Career Assessment, Career Goal, and Coursework are to be reviewed annually. Enter the date the student completed each requirement below.

Goal	9th Grade	10th Grade	11th Grade	12th Grade
Career Assessment				
Written Career Goal				
Courses Reflect Goal				

Students are also required to participate in Service Learning and/or Work-Based Learning Activities at least once in grades 9-12. Mark each grade level the student participated in this requirement; not limited to one activity or grade level. **Internship codes are reserved for 11th and 12th grade.**

Goal	9th Grade	10th Grade	11th Grade	12th Grade
Service or Work-based Learning				

Date of Check	Student Initial	Total Units
	Total Units Earned:	

23 units or sets of competencies are required to meet state graduation requirements.

Total Units Earned must match **Total Units Upon Final Check** on Page 4.



OKLAHOMA Education



2024

Graduation Requirements



Student Full Name _____

Career Goal _____

23 units or sets of competencies are required to meet state graduation requirements.
70 O.S. § 11-103.6; OAC 210:35-25-2

Mark beside each course upon successful completion of required unit or set of competencies as each semester credit for course is earned. Refer to the most recent [Subject Codes list](#) for approved courses in each area, and the [OSDE's Instruction page](#) for more information regarding each subject area.

Coursework Requirements

English (4)

- ___ ___ English I
- ___ ___ English II
- ___ ___ English III
- ___ ___ English IV
- ___ ___ Other Approved Course

Mathematics (3)

3 are required in grades 9-12.

- ___ ___ Algebra I
- ___ ___ Geometry
- ___ ___ Algebra II
- ___ ___ Algebra III
- ___ ___ Pre-Calculus
- ___ ___ Other Approved Course

Laboratory Science (3)

- ___ ___ Biology I
- ___ ___ Chemistry, Physics, or Physical Science
- AND**
- ___ ___ Other Physical Science
- ___ ___ **OR** Other Life Science
- ___ ___ **OR** Earth/Space Science

History & Citizenship (3)

- ___ ___ 1/2 Oklahoma History
- ___ ___ 1/2 Government
- ___ ___ U.S. History
- ___ ___ Other Approved Course

World/Non-English Language OR Computer Technology (2)

- ___ ___ 1st year of Language:
- ___ ___ 2nd year of **same** Language
- OR**
- ___ ___ 1st year of Computer Technology
- ___ ___ 2nd year of Computer Technology

Excludes keyboarding or typing courses.

Fine Arts or Speech (1)

- ___ ___ Music, Art, Dance, or Drama
- ___ ___ Humanities
- ___ ___ Speech or Communications

Additional Unit (1)

Choose **either** one of the following subjects:

- English
- Math
- Science
- History
- World Languages
- Computer Technology

Or one of the following courses approved for college admission:

- Career Technology Education
- Concurrently Enrolled
- Advanced Placement
- International Baccalaureate

Electives (6)

23 units or sets of competencies are required to meet state graduation requirements.

Total Units Upon Final Check must match **Total Units Earned** on Page 7.

Total Units Upon Final Check:

R 2024 Graduation Requirements



Other Requirements

State law requires that students meet the additional requirements below in order to graduate from a public high school with a standard diploma. [70 O.S. § 1210.508](#)

Assessments

Taken in 11th Grade:

___ ACT **OR** ___ SAT
 ___ Science Assessment

Taken once during High School:

___ U.S. History

Certificates or Endorsements (if any)

Additional Requirements

_____ Personal Financial Literacy Passport
[70 O.S. § 11-103.6H](#)
 _____ CPR/AED [70 O.S. § 1210.199](#)

Individual Career Academic Plan (ICAP)

Beginning with students entering the ninth grade in the 2019-2020 school year (class of 2023), each student is required to complete the process of an Individual Career Academic Plan (ICAP) in order to graduate from a public high school with a standard diploma. [70 O.S. § 2320.508-4](#)

The ICAP Career Assessment, Career Goal, and Coursework are to be reviewed annually. Enter the date the student completed each requirement below.

Goal	9th Grade	10th Grade	11th Grade	12th Grade
Career Assessment				
Written Career Goal				
Courses Reflect Goal				

Students are also required to participate in Service Learning and/or Work-Based Learning Activities at least once in grades 9-12. Mark each grade level the student participated in this requirement; not limited to one activity or grade level. **Internship codes are reserved for 11th and 12th grade.**

Goal	9th Grade	10th Grade	11th Grade	12th Grade
Service or Work-based Learning				

Date of Check	Student Initial	Total Units
	Total Units Earned:	

23 units or sets of competencies are required to meet state graduation requirements.

Total Units Earned must match **Total Units Upon Final Check** on Page 6.



2025

Graduation Requirements



Student Full Name _____

Career Goal _____

23 units or sets of competencies are required to meet state graduation requirements.
70 O.S. § 11-103.6; OAC 210:35-25-2

Mark beside each course upon successful completion of required unit or set of competencies as each semester credit for course is earned. Refer to the most recent [Subject Codes list](#) for approved courses in each area, and the [OSDE's Instruction page](#) for more information regarding each subject area.

Coursework Requirements

English (4)

- ___ ___ English I
- ___ ___ English II
- ___ ___ English III
- ___ ___ English IV
- ___ ___ Other Approved Course _____

Mathematics (3)

3 are required in grades 9-12.

- ___ ___ Algebra I
- ___ ___ Geometry
- ___ ___ Algebra II
- ___ ___ Algebra III
- ___ ___ Pre-Calculus
- ___ ___ Other Approved Course _____

Laboratory Science (3)

- ___ ___ Biology I
- ___ ___ Chemistry, Physics, or Physical Science
- AND**
- ___ ___ Other Physical Science _____
- ___ ___ **OR** Other Life Science _____
- ___ ___ **OR** Earth/Space Science _____

History & Citizenship (3)

- ___ ___ 1/2 Oklahoma History
- ___ ___ 1/2 Government
- ___ ___ U.S. History
- ___ ___ Other Approved Course _____

World/Non-English Language OR Computer Technology (2)

- ___ ___ 1st year of Language: _____
 - ___ ___ 2nd year of **same** Language
 - OR**
 - ___ ___ 1st year of Computer Technology
 - ___ ___ 2nd year of Computer Technology
- Excludes keyboarding or typing courses.**

Fine Arts or Speech (1)

- ___ ___ Music, Art, Dance, or Drama
- ___ ___ Humanities
- ___ ___ Speech or Communications _____

Additional Unit (1)

- Choose **either** one of the following subjects:
- English
 - Math
 - Science
 - History
 - World Languages
 - Computer Technology
- Or** one of the following courses approved for college admission:
- Career Technology Education
 - Concurrently Enrolled
 - Advanced Placement
 - International Baccalaureate

Electives (6)

23 units or sets of competencies are required to meet state graduation requirements.

Total Units Upon Final Check must match **Total Units Earned** on Page 9.

Total Units Upon Final Check:



2025 Graduation Requirements



Other Requirements

State law requires that students meet the additional requirements below in order to graduate from a public high school with a standard diploma. [70 O.S. § 1210.508](#)

Assessments

Taken in 11th Grade:

___ ACT OR ___ SAT

___ Science Assessment

Taken once during High School:

___ U.S. History

Certificates or Endorsements (if any)

Additional Requirements

- _____ Personal Financial Literacy Passport [70 O.S. § 11-103.6H](#)
- _____ CPR/AED [70 O.S. § 1210.199](#)
- _____ Pass U.S. Naturalization Test [70 O.S. § 11-103.6](#)

Individual Career Academic Plan (ICAP)

Beginning with students entering the ninth grade in the 2019-2020 school year (class of 2023), each student is required to complete the process of an Individual Career Academic Plan (ICAP) in order to graduate from a public high school with a standard diploma. [70 O.S. § 2320.508-4](#)

The ICAP Career Assessment, Career Goal, and Coursework are to be reviewed annually. Enter the date the student completed each requirement below.

Goal	9th Grade	10th Grade	11th Grade	12th Grade
Career Assessment				
Written Career Goal				
Courses Reflect Goal				

Students are also required to participate in Service Learning and/or Work-Based Learning Activities at least once in grades 9-12. Mark each grade level the student participated in this requirement; not limited to one activity or grade level. **Internship codes are reserved for 11th and 12th grade.**

Goal	9th Grade	10th Grade	11th Grade	12th Grade
Service or Work-based Learning				

Date of Check	Student Initial	Total Units
	Total Units Earned:	

23 units or sets of competencies are required to meet state graduation requirements.

Total Units Earned must match **Total Units Upon Final Check** on Page 8.





2026 Graduation Requirements



Student Full Name _____

Career Goal _____

23 units or sets of competencies are required to meet state graduation requirements.
70 O.S. § 11-103.6; OAC 210:35-25-2

Mark beside each course upon successful completion of required unit or set of competencies as each semester credit for course is earned. Refer to the most recent [Subject Codes list](#) for approved courses in each area, and the [OSDE's Instruction page](#) for more information regarding each subject area.

Coursework Requirements

English (4)

- ___ ___ English I
- ___ ___ English II
- ___ ___ English III
- ___ ___ English IV
- ___ ___ Other Approved Course

Mathematics (3)

3 are required in grades 9-12.

- ___ ___ Algebra I
- ___ ___ Geometry
- ___ ___ Algebra II
- ___ ___ Algebra III
- ___ ___ Pre-Calculus
- ___ ___ Other Approved Course

Laboratory Science (3)

- ___ ___ Biology I
- ___ ___ Chemistry, Physics, or Physical Science
- AND**
- ___ ___ Other Physical Science
- ___ ___ **OR** Other Life Science
- ___ ___ **OR** Earth/Space Science

History & Citizenship (3)

- ___ ___ 1/2 Oklahoma History
- ___ ___ 1/2 Government
- ___ ___ U.S. History
- ___ ___ Other Approved Course

World/Non-English Language OR Computer Technology (2)

- ___ ___ 1st year of Language:
- ___ ___ 2nd year of **same** Language
- OR**
- ___ ___ 1st year of Computer Technology
- ___ ___ 2nd year of Computer Technology

Excludes keyboarding or typing courses.

Fine Arts or Speech (1)

- ___ ___ Music, Art, Dance, or Drama
- ___ ___ Humanities
- ___ ___ Speech or Communications

Additional Unit (1)

Choose **either** one of the following subjects:

- English
- Math
- Science
- History
- World Languages
- Computer Technology

Or one of the following courses approved for college admission:

- Career Technology Education
- Concurrently Enrolled
- Advanced Placement
- International Baccalaureate

Electives (6)

23 units or sets of competencies are required to meet state graduation requirements.

Total Units Upon Final Check must match **Total Units Earned** on Page 5.

Total Units Upon Final Check:



2026 Graduation Requirements



Other Requirements

State law requires that students meet the additional requirements below in order to graduate from a public high school with a standard diploma. [70 O.S. § 1210.508](#)

Assessments

Taken in 11th Grade:

ACT **OR** SAT

Science Assessment

Taken once during High School:

U.S. History

Certificates or Endorsements (if any)

Additional Requirements

Personal Financial Literacy Passport
[70 O.S. § 11-103.6H](#)

CPR/AED [70 O.S. § 1210.199](#)

Individual Career Academic Plan (ICAP)

Beginning with students entering the ninth grade in the 2019-2020 school year (class of 2023), each student is required to complete the process of an Individual Career Academic Plan (ICAP) in order to graduate from a public high school with a standard diploma. [70 O.S. § 2320.508-4](#)

The ICAP Career Assessment, Career Goal, and Coursework are to be reviewed annually. Enter the date the student completed each requirement below.

Goal	9th Grade	10th Grade	11th Grade	12th Grade
Career Assessment				
Written Career Goal				
Courses Reflect Goal				

Students are also required to participate in Service Learning and/or Work-Based Learning Activities at least once in grades 9-12. Mark each grade level the student participated in this requirement; not limited to one activity or grade level. **Internship codes are reserved for 11th and 12th grade.**

Goal	9th Grade	10th Grade	11th Grade	12th Grade
Service or Work-based Learning				

Date of Check	Student Initial	Total Units
	Total Units Earned:	

23 units or sets of competencies are required to meet state graduation requirements.

Total Units Earned must match **Total Units Upon Final Check** on Page 4.



OKLAHOMA Education

AGRICULTURE, FOOD & NATURAL RESOURCES

The production, processing, marketing, distribution, financing and development of agricultural commodities and resources including food, fiber, wood products, natural resources, horticulture and other plant and animal products/resources.

Career Pathways / Programs of Study

- » Agricultural Communications
- » Animal Science
- » Environmental Science System
- » Plant and Soil Science
- » Power, Structural and Technical Systems

AGRICULTURE, FOOD & NATURAL RESOURCES

Environmental Science System

Pathway Courses

Year 1

» Biology

Year 2

» Chemistry

Year 3

» Physics

» Honors Innovative Research I

Year 4

» AP Environmental Science

» Honors Innovative Research II

**Related
Electives**

» AP Statistics
» Microbiology

» COM 1113 Public Speaking TCC

Career Related Activities

Workplace Learning Experiences:

Student internships are available in most career pathways. Depending upon the business selected, internships can be paid or unpaid, and are allowed for up to 3 class periods of a student schedule. For more information on current openings and the application process, please visit the college and career counseling office at BAHS.

Certificates: High School

College Majors (examples)

- » Environmental Control Technologies/Technicians
 - » Environmental Engineering Technology/Environmental Technology
 - » Hazardous Materials Management
 - » Water Quality and Wastewater Treatment Management and Recycling Technology
-

Careers (examples)

- » Environmental Engineering Technician
- » Hazardous materials Removal Worker
- » Occupational Health and Safety Specialist
- » Refrigeration Mechanic and Installer
- » Water and Wastewater Treatment Plant and System Operator

AGRICULTURE, FOOD & NATURAL RESOURCES

Animal Science

Pathway Courses

Year 1

- » Introduction to Agriscience
- » Biology

Year 2

- » Introduction to Animal Science
- » Chemistry

Year 3

- » Agriculture Communications
- » Physics

Year 4

- » School & Community Partnership I
- » Upper level Lab Science Class

**Related
Electives**

- » AP Environmental Science
- » Microbiology
- » Introduction to Agricultural Communications
- » Zoology
- » Environmental Science

Career Related Activities

Workplace Learning Experiences:

Student internships are available in most career pathways. Depending upon the business selected, internships can be paid or unpaid, and are allowed for up to 3 class periods of a student schedule. For more information on current openings and the application process, please visit the college and career counseling office at BAHS.

Certificates: High School

College Majors (examples)

- » Agricultural Educator
- » Animal Nutritionist
- » Meat Science Researcher
- » Physiologist
- » Wildlife Biologist
- » USDA Inspector
- » Veterinarian

Careers (examples)

- » Agricultural Journalist
- » Biotechnology Lab Technician
- » Custom Hay/Silage Operator
- » Farmer/Rancher
- » Golf Course Manager
- » Grain Operation Superintendent
- » Green House Manager
- » Tree Surgeon

AGRICULTURE, FOOD & NATURAL RESOURCES

Plant & Soil Science

Pathway Courses

Year 1

- » Introduction to Agriscience » Biology
-

Year 2

- » Introduction to Animal Science » Chemistry
-

Year 3

- » Greenhouse Production & Floral Design » Physics
-

Year 4

- » Introduction to Agriculture Communications » School & Community Partnership I
-

**Related
Electives**

- » Environmental Science » AP Environmental Science
» Microbiology
-

Career Related Activities

Workplace Learning Experiences:

Student internships are available in most career pathways. Depending upon the business selected, internships can be paid or unpaid, and are allowed for up to 3 class periods of a student schedule. For more information on current openings and the application process, please visit the college and career counseling office at BAHS.

Certificates: High School

College Majors (examples)

- » Agricultural Educator
- » Animal Nutritionist
- » Livestock Geneticist
- » Meat Science Researcher
- » Physiologist
- » Wildlife Biologist
- » USDA Inspector
- » Veterinarian

Careers (examples)

- » Animal Caretaker-Poultry Manager
 - » Dairy Producer
 - » Equine Manager
 - » Feed Sales Representative
 - » Livestock Buyer
 - » Livestock Inspector
 - » Livestock Producer
 - » Veterinary Assistant
-

AGRICULTURE, FOOD & NATURAL RESOURCES

Power, Structures & Technology

Pathway Courses

Year 1

- » Introduction to Agriscience
 - » Biology
-

Year 2

- » Introduction to AG Power & Technology
 - » Chemistry
-

Year 3

- » Ag Power & Technology
 - » Physics
-

Year 4

- » Ag Structures
 - » School & Community Partnership I
-

**Related
Electives**

- » Introduction to Agricultural Communications
 - » Certification Production Technician
 - » PLTW Introduction to Engineering Design
-

Career Related Activities

Workplace Learning Experiences:

Student internships are available in most career pathways. Depending upon the business selected, internships can be paid or unpaid, and are allowed for up to 3 class periods of a student schedule. For more information on current openings and the application process, please visit the college and career counseling office at BAHS.

Certificates: High School

College Majors (examples)

- » Agricultural Applications Software Developer/Programmer
- » Agricultural Mechanization
- » Agricultural Engineer
- » Agricultural Education

Careers (examples)

- » Communication Technician
 - » Electronic Systems Technician
 - » Equipment/Parts Manager
 - » GPS Technician
 - » Heavy Equipment Maintenance Technician
 - » Information Lab Specialist
 - » Machine Operator
 - » Machinist
 - » Recycling Technician
 - » Remote Sensing Specialist
 - » Welder
-

AGRICULTURE, FOOD & NATURAL RESOURCES

Agricultural Communications

Pathway Courses

Year 1

- » Introduction to Agriscience
-

Year 2

- » Newspaper I
-

Year 3

- » Newspaper II
-

Year 4

- » Introduction to Agricultural Communications
 - » School & Community Partnership I
-

Related Electives

- » TigerTV & Video
 - » BAHS Pulse
 - » Competitive Speech
 - » Creative Writing
 - » Sports Media
 - » Marketing
 - » Debate
-

Career Related Activities

Workplace Learning Experiences:

Student internships are available in most career pathways. Depending upon the business selected, internships can be paid or unpaid, and are allowed for up to 3 class periods of a student schedule. For more information on current openings and the application process, please visit the college and career counseling office at BAHS.

Certificates: High School

College Majors (examples)

- » Agricultural Communications Specialist
- » Agricultural Consultation
- » Agricultural Journalist
- » Agricultural Marketing
- » Marketing Specialist
- » Public Relations

Careers (examples)

- » Advertising
 - » Customer Relations
 - » Graphic Design
 - » Insurance Sales
 - » Photographer
 - » Production Coordinator
 - » Project Coordinator
 - » Retail Sales
 - » Writer
-

ARCHITECTURE & CONSTRUCTION

Designing, planning, managing, building and maintaining the built environment.

Career Pathways / Programs of Study

- » Design/Pre-Construction
- » Construction
- » Plumbing
- » Maintenance/Operations

ARCHITECTURE AND CONSTRUCTION

Design/Pre Construction

Pathway Courses

Year 1

- » Introduction to Engineering Design
 - » Algebra I
-

Year 2

- » Principles of Engineering
 - » Geometry
-

Year 3

- » Career Pathway Internship
 - » Algebra II
-

Year 4

- » Career Pathway Internship
 - » Algebra III/TCC Pre Calculus
-

**Related
Electives**

- » Business management and Supervision

**Year 3 and 4 Option:
TULSA TECHNOLOGY CENTER**

- » Carpentry (1yr)
- » Introduction to Construction
- » Foundations of Construction
- » Advanced Pre Engineering
- » Drafting

ARCHITECTURE AND CONSTRUCTION

Design/Pre Construction

Career Related Activities

Workplace Learning Experiences:

Student internships are available in most career pathways. Depending upon the business selected, internships can be paid or unpaid, and are allowed for up to 3 class periods of a student schedule. For more information on current openings and the application process, please visit the college and career counseling office at BAHS.

Credentials/Industry Certifications: High School

Credentials/Industry Certifications: Tulsa Technology Center

- » Frame Carpenter
 - » Construction Trainee
 - » Finish Carpenter
 - » OSH 10
 - » Core Construction
 - » Carpentry Level I
 - » Autodesk Inventor Certified User
 - » Autodesk Revit Certified User
 - » Autodesk Certified Professional: Inventor
 - » Autodesk Certified Professional: Revit
 - » Introduction to Engineering Design
 - » Principles of Engineering
 - » Digital Electronics
 - » Aerospace Engineering
 - » Civil Engineering and Architecture
 - » Computer Integrated Manufacturing
 - » Computer Science Principles
 - » Computer Science A
 - » AP Physics I - Algebra Based
 - » AP Calculus AB
 - » AP Calculus BC
 - » AP Physics C Mechanincs
-

College Majors (examples)

Careers (examples)

- » Carpenter
- » Construction Engineer
- » Construction Foreman/ Manager
- » Construction Inspector
- » Contractor
- » Design Builder
- » Equipment and Material Manager
- » Forklift Operator
- » General Contractor/Builder
- » Project Inspector
- » Project Manager
- » Safety Director

ARCHITECTURE AND CONSTRUCTION

Construction

Pathway Courses

Year 1

- » Introduction Manufacturing
- » Algebra I

Year 2

- » Foundations of Manufacturing
- » Geometry

Year 3

- » Introduction to Agricultural Power and Technology
- » Algebra II

Year 4

- » Career Pathway Internship
- » Certification Production Technician

**Year 3 and 4 Option:
TULSA TECHNOLOGY CENTER**

- » Carpentry (1yr)
- » Introduction to Construction
- » Electrical Trades (1yr)
- » Heating, Vent. A/C (2yrs)
- » Masonry (1yr)
- » Electronic Control Systems (1yr)

Related Electives

- » Business management and Supervision

ARCHITECTURE AND CONSTRUCTION

Construction

Career Related Activities

Workplace Learning Experiences:

Student internships are available in most career pathways. Depending upon the business selected, internships can be paid or unpaid, and are allowed for up to 3 class periods of a student schedule. For more information on current openings and the application process, please visit the college and career counseling office at BAHS.

Credentials/Industry Certifications: High School

Credentials/Industry Certifications: Tulsa Technology Center

- » Frame Carpenter
- » Construction Trainee
- » Finish Carpenter
- » OSHA 10
- » Electrical Level I
- » Electrical Construction Wiring (Residential Wiring)
- » EPA 608 Certification
- » Residential Industry Competency Exam
- » Process Piping Technician
- » Refrigeration Technician
- » Sheet Metal Technician
- » HVAC Technician
- » Construction Trainee
- » Core Construction
- » Burglar/Commercial Fire Alarm Technician
- » Burglar/Residential Fire Alarm Technician
- » Electronic Access Control Technician
- » Closed Circuit Television Technician

College Majors (examples)

Careers (examples)

- » Carpenter
- » Construction Engineer
- » Construction Foreman/ Manager
- » Construction Inspector
- » Contractor
- » Design Builder
- » Electrician
- » Electronic Systems Tech
- » Equipment and Material Manager
- » Forklift Operator
- » General Contractor/Builder
- » Heating, Ventilation, Air Conditioning and Refrigeration
- » Landscaper/Groundskeeper
- » Brick Mason
- » Painter
- » Plumber
- » Project Inspector
- » Project Manager
- » Roofer
- » Safety Director
- » Security and Fire Alarm Systems Installer
- » Sheet Metal Worker
- » Tile and Marble Setter

ARTS, AV TECHNOLOGY & COMMUNICATIONS

Designing, producing, exhibiting, performing, writing, and publishing multimedia content including visual and performing arts and design, journalism, and entertainment services.

Career Pathways / Programs of Study

- » Audio/Visual (A/V) Technology and Film
- » Journalism and Broadcasting
- » Performing Arts
- » Visual Arts
- » Printing Technology
- » Telecommunications

ARTS, AUDIO/VIDEO TECHNOLOGY AND COMMUNICATIONS

Audio/Visual (A/V) Technology and Film

Pathway Courses

Year 1

- » The Beat
- » Computer Science I

Year 2

- » Multimedia & Video Design

Year 3

- » TigerTV & Video
- » BAHS Pulse
- » Documentary Film

Year 4

- » TigerTV & Video
- » BAHS Pulse
- » Documentary Film

- Year 3 and 4 Option:
TULSA TECHNOLOGY CENTER**
- » Production Printing (1yr)
 - » Photography (2yrs)
 - » Sound Engineering (1yr)
 - » TV Production (2yrs)
 - » Digital Graphics (1yr)
 - » Visual Graphic Design (2yrs)

**Related
Electives**

- » Speech
- » COMM 1113 Public Speaking
- » Creative Writing
- » Multimedia & Image Management Techniques
- » Digital Editing and production Photography

ARTS, AUDIO/VIDEO TECHNOLOGY AND COMMUNICATIONS

Audio/Visual (A/V) Technology and Film

Career Related Activities

Workplace Learning Experiences:

Student internships are available in most career pathways. Depending upon the business selected, internships can be paid or unpaid, and are allowed for up to 3 class periods of a student schedule. For more information on current openings and the application process, please visit the college and career counseling office at BAHS.

Credentials/Industry Certifications: High School

Credentials/Industry Certifications: Tulsa Technology Center

- » NOCTI- Graphic Production Technology
- » Bindery Operator
- » Protools 101
- » Production Assistant
- » Media Composer Certified User
- » Editor
- » Production Assistant
- » Producer
- » Adobe Illustrator
- » Adobe Photoshop
- » ACA Graphic Design and Illustration with Adobe Illustrator
- » ACA Visual Communication Using Adobe Photoshop
- » ACA Print & Digital Media Publication Using Adobe InDesign

College Majors (examples)

Careers (examples)

- » Audio Systems Technician
- » Audio-Video Designer and Engineer
- » Audio-Video System Service Technician
- » Technical Computer Support Technician: Film, Video, and DVD
- » Videographer: Special Effects and Animation
- » Video Systems Technician

ARTS, AUDIO/VIDEO TECHNOLOGY AND COMMUNICATIONS

Journalism and Broadcasting

Pathway Courses

Year 1

- » Yearbook I
 - » The Beat
 - » TigerTV & Video
-

Year 2

- » Newspaper I or Yearbook II
 - » Any of the following:
 - » TigerTV & Video
 - » BAHS Pulse (Digital Media)
 - » Sports Media
-

Year 3

- » Newspaper II or Yearbook III
 - » Any of the following:
 - » TigerTV & Video
 - » BAHS Pulse (Digital Media)
 - » Sports Media
-

Year 4

- » Newspaper III or Yearbook III
 - » Any of the following:
 - » TigerTV & Video
 - » BAHS Pulse (Digital Media)
 - » Sports Media
-

**Related
Electives**

- » Acting Styles
- » Drama
- » COMM 1113 Public Speaking TCC
- » Creative Writing

ARTS, AUDIO/VIDEO TECHNOLOGY AND COMMUNICATIONS

Journalism and Broadcasting

Career Related Activities

Workplace Learning Experiences:

Student internships are available in most career pathways. Depending upon the business selected, internships can be paid or unpaid, and are allowed for up to 3 class periods of a student schedule. For more information on current openings and the application process, please visit the college and career counseling office at BAHS.

Credentials/Industry Certifications: High School

Credentials/Industry Certifications: Tulsa Technology Center

College Majors (examples)

- » **Broadcast Journalism**
 - » **Communication Studies/Speech Communication**
 - » **Digital Communication and Media/Multimedia**
 - » **Journalism**
 - » **Radio and Television Broadcasting Technician**
 - » **Recording Arts Technician**
 - » **Photojournalism**
-

Careers (examples)

- » **Audio and Video Equipment Technician**
- » **Broadcast News Analyst**
- » **Broadcast Technician**
- » **Camera Operator**
- » **Film and Video Editor**
- » **Producer and Director**
- » **Radio and Television Announcer**
- » **Reporters and Correspondent**
- » **Sound Engineering Technician**
- » **Writer**

ARTS, AUDIO/VIDEO TECHNOLOGY AND COMMUNICATIONS

Performance Art

Pathway Courses

Year 1

» Drama I

Year 2

» Drama II or Advanced Drama II

Year 3

» Drama III or Advanced Drama III

Year 4

» Theatre Production

Related
Electives

» Acting Styles
» Art

» Dance
» Vocal/Orchestra

Career Related Activities

Workplace Learning Experiences:

Student internships are available in most career pathways. Depending upon the business selected, internships can be paid or unpaid, and are allowed for up to 3 class periods of a student schedule. For more information on current openings and the application process, please visit the college and career counseling office at BAHS.

Credentials/Industry Certifications: High School

Credentials/Industry Certifications: Tulsa Technology Center

College Majors (examples)

» Acting
» Musical Theatre
» Speech Communication

» Theater Design
» Theater Education
» Technical Theater

Careers (examples)

» Artistic Director
» Arts Administrator
» Costumer/Costume Designer
» Director
» Lighting Designer
» Set Designer

» Sound Engineer
» Stage Performer
» Tech Education
» Technician
» Theater Teacher

ARTS, AUDIO/VIDEO TECHNOLOGY AND COMMUNICATIONS

Printing Technology

Pathway Courses

Year 1

- » Computer Science I

Year 2

- » Game Design & App Design
- » Multimedia & Video Design

Year 3

- » Desktop Publishing & Graphic Design

Year 4

- » Desktop Publishing Capstone
- » School and Community Partnership

**Year 3 and 4 Option:
TULSA TECHNOLOGY CENTER**

- » Production Printing (1yr)

Career Related Activities

Workplace Learning Experiences:

Student internships are available in most career pathways. Depending upon the business selected, internships can be paid or unpaid, and are allowed for up to 3 class periods of a student schedule. For more information on current openings and the application process, please visit the college and career counseling office at BAHS.

Credentials/Industry Certifications: High School

Credentials/Industry Certifications: Tulsa Technology Center

- » NOCTI- Graphic Production Technology
- » Bindery Operator

College Majors (examples)

Careers (examples)

- » Computer Typography and Composition Operator
- » Desktop Publishing Specialist
- » Graphics Equipment Operator
- » Lithographer
- » Paper Salesperson
- » Plate Maker
- » Pre-Production Technician
- » Printing Equipment Operator
- » Production Coordinator
- » Production Manager
- » Web Page Designer

ARTS, AUDIO/VIDEO TECHNOLOGY AND COMMUNICATIONS

Visual Arts
Art (2-D and 3-D Painting and Drawing)

Pathway Courses

Year 1

- » Foundations of Art
 - » Art Appreciation
-

Year 2

- » Drawing I or Painting I
» Pre-AP Art II
 - » Drawing II or Painting II
-

Year 3

- » AP Studio Art: Drawing
-

Year 4

- » AP Studio Art: 2D Design or
 - » AP Studio Art: 3D Design
-

**Related
Electives**

- » Printmaking
 - » Mixed Media I & II
 - » Sculpture I & II
 - » AP Art History
 - » Ceramics I & II
-

Career Related Activities

Workplace Learning Experiences:

Student internships are available in most career pathways. Depending upon the business selected, internships can be paid or unpaid, and are allowed for up to 3 class periods of a student schedule. For more information on current openings and the application process, please visit the college and career counseling office at BAHS.

Credentials/Industry Certifications: High School

Credentials/Industry Certifications: Tulsa Technology Center

College Majors (examples)

- » Advertising Art Direction
- » Arts Administration
- » Art Education
- » Art History
- » Art Teacher
- » Fine Arts
- » Illustration
- » Interior Design
- » Visual Arts

Careers (examples)

- » Art Director
- » Curator and Gallery Manager
- » Jewelry Designer
- » Textile Designer
- » Furnishings Coordinator

BUSINESS MANAGEMENT & ADMINISTRATION

Planning, organizing, directing and evaluating business functions essential to efficient and productive business operations.

Career Pathways / Programs of Study

- » Business Management and Administration
- » Human Resources
- » Operations Management Logistics

BUSINESS MANAGEMENT AND ADMINISTRATION

Business Management and Administration

Pathway Courses

Year 1

- » Business Law I
- » Business Law II

Year 2

- » Marketing Fundamentals

Year 3

- » Business Management & Supervision

Year 4

- » Accounting I
- » AP Micro Economics/
Macro Economics

**Year 3 and 4 Option:
TULSA TECHNOLOGY CENTER**

- » Legal Professional Assistant (2yr)
- » Medical Health Records Clerk (1yr)

**Related
Electives**

- » AP Statistics
- » AP Calculus
- » COM 1113 Public Speaking TCC
- » World Language

BUSINESS MANAGEMENT AND ADMINISTRATION

Business Management and Administration

Career Related Activities

Workplace Learning Experiences:

Student internships are available in most career pathways. Depending upon the business selected, internships can be paid or unpaid, and are allowed for up to 3 class periods of a student schedule. For more information on current openings and the application process, please visit the college and career counseling office at BAHS.

Credentials/Industry Certifications: High School

Credentials/Industry Certifications: Tulsa Technology Center

- » Accredited Legal Professional (ALP)
- » Legal Office Assistant
- » Business Communication
- » Listening Skills
- » MS Access
- » Editing and Proofing
- » Interpersonal Communications
- » Typing Speed and Accuracy
- » Legal Research
- » Legal Secretarial Skills
- » MOS Word Expert
- » MOS Excel
- » NCMOA Medical Office Assistant (National Center for Competency Testing)
- » Medical Terminology (Brainbench)
- » Medical Office Skills (Brainbench)

College Majors (examples)

- » Accounting
- » Business Administration and Management
- » Entrepreneurial and Small Business Operations
- » Human Resources Management
- » Investment Executive
- » Marketing Analyst

Careers (examples)

- » Administrative Assistant
- » Business Consultant
- » Facilities Manager
- » Human Resources Manager
- » Office Manger
- » Sales Representative
- » Wholesale and Retail Buyer

BUSINESS MANAGEMENT AND ADMINISTRATION

Human Resources

Pathway Courses

Year 1

- » **Business Law I**
 - » **Business Law II**
-

Year 2

- » **Marketing Fundamentals**
-

Year 3

- » **Business Management & Supervision**
-

Year 4

- » **Accounting I**
 - » **AP Micro Economics/Macro Economics**
-

**Related
Electives**

- » **AP Statistics**
 - » **AP Calculus**
 - » **COM 1113 Public Speaking TCC**
 - » **World Language**
-

Career Related Activities

Workplace Learning Experiences:

Student internships are available in most career pathways. Depending upon the business selected, internships can be paid or unpaid, and are allowed for up to 3 class periods of a student schedule. For more information on current openings and the application process, please visit the college and career counseling office at BAHS.

Credentials/Industry Certifications: High School

Credentials/Industry Certifications: Tulsa Technology Center

College Majors (examples)

- » **Human Resources Management**
- » **Human Resource Specialist**

Careers (examples)

- » **Administrative Services Managers**
- » **Compensation and Benefits Managers**
- » **Facilities Manager**
- » **Human Resources Manager**
- » **Training and Development Manager**

EDUCATION & TRAINING

Planning, managing and providing education and training services and related learning support services.

Career Pathways / Programs of Study

- » Teaching/Training
- » Early Childhood Education
- » NSU Early Childhood Education
- » Elementary Education
- » NSU/TCC Elementary Education
- » Secondary Education
- » NSU/TCC Secondary Education

EDUCATION AND TRAINING

Early Childhood Teaching

Pathway Courses

Year 1

- » Lead Oklahoma
-

Year 2

- » Family and Consumer Sciences
 - » Parenting & Child Development
 - » Surviving & Thriving Adulthood (Family Services)
 - » Teach Oklahoma
-

Year 3

- » Marriage & Family Life
 - » Teaching Internship or School Community Partnership I
-

Year 4

- » Teaching Internship or School Community Partnership II
-

**Year 3 and 4 Option:
TULSA TECHNOLOGY CENTER**

- » Early Care and Education (2yr)

**Related
Electives**

EDUCATION AND TRAINING

Early Childhood Teaching

Career Related Activities

Workplace Learning Experiences:

Student internships are available in most career pathways. Depending upon the business selected, internships can be paid or unpaid, and are allowed for up to 3 class periods of a student schedule. For more information on current openings and the application process, please visit the college and career counseling office at BAHS.

Credentials/Industry Certifications: High School

Credentials/Industry Certifications: Tulsa Technology Center

- » Child Development Associate
- » Entry Level Child Care Teacher & Teacher Assistant
- » Master Teacher
- » Infant & Toddler Child Care Provider
- » Child Care Director
- » Teacher Assistant

College Majors (examples)

- » Child Care Director
- » Child Life Specialist
- » Coach
- » College/University Faculty
- » Early Childhood Teacher
- » Elementary Teacher
- » Human Resource Trainer
- » Middle School Teacher
- » Physical Trainer
- » School Counselor
- » Secondary Teacher

Careers (examples)

- » Child Care Worker
- » Early Childhood Aide
- » Teacher Aide
- » Group Worker and Assistant
- » Nanny

EDUCATION AND TRAINING

Plus One AA to NSU Early Childhood

*Requires admission to TCC

Pathway Courses

Year 1

- » Lead Oklahoma
-

Year 2

- » Family and Consumer Sciences
 - » Parenting & Child Development
 - » Surviving & Thriving Adulthood (Family Services)
 - » Teach Oklahoma
-

Year 3

- » Teaching Internship

TULSA COMMUNITY COLLEGE/NORTHERN STATE UNIVERSITY COURSES

- » ENGL 1113 – Comp I
 - » HIST 1493 – U.S. History
Civil War Era to the Present
 - » MATH 1473 – Quantitative Reasoning
 - » ENGL 1213 – Comp II
-

Year 4

- » Teaching Internship

TULSA COMMUNITY COLLEGE/NORTHERN STATE UNIVERSITY COURSES

- » COMM 1113 – Public Speaking
 - » PSYC 1113 – Introduction to
Psychology
 - » POLS 1113 – American Federal Government
 - » MATH 1513 – Pre-Calculus I
 - » EDUC 3000 – Explorations in Teaching
-

Related Electives

- » BIOL 1114 – General Biology for Non-Majors
- » BIOL 1383 – Nutrition

EDUCATION AND TRAINING

Plus One AA to NSU Early Childhood

***Requires admission to TCC**

Career Related Activities

Workplace Learning Experiences:

Student internships are available in most career pathways. Depending upon the business selected, internships can be paid or unpaid, and are allowed for up to 3 class periods of a student schedule. For more information on current openings and the application process, please visit the college and career counseling office at BAHS.

Credentials/Industry Certifications: High School

Credentials/Industry Certifications: Tulsa Technology Center

College Majors (examples)

- » Child Care Director
- » Child Life Specialist
- » Coach
- » College/University Faculty
- » Early Childhood Teacher
- » Elementary Teacher
- » Human Resource Trainer
- » Middle School Teacher
- » Physical Trainer
- » School Counselor
- » Secondary Teacher

Careers (examples)

- » Child Care Worker
- » Early Childhood Aide
- » Teacher Aide
- » Group Worker and Assistant
- » Nanny

EDUCATION AND TRAINING

Elementary Teaching

Pathway Courses

Year 1

- » Lead Oklahoma

Year 2

- » Family and Consumer Sciences
- » Teach Oklahoma
- » Parenting & Child Development
- » Surviving & Thriving Adulthood (Family Services)

Year 3

- » Marriage & Family Life
- » Teaching Internship or School Community Partnership I

Year 3 and 4 Option:

TULSA TECHNOLOGY CENTER

Year 4

- » Teaching Internship or School Community Partnership II

- » Early Care and Education (2yr)

**Related
Electives**

EDUCATION AND TRAINING

Elementary Teaching

Career Related Activities

Workplace Learning Experiences:

Student internships are available in most career pathways. Depending upon the business selected, internships can be paid or unpaid, and are allowed for up to 3 class periods of a student schedule. For more information on current openings and the application process, please visit the college and career counseling office at BAHS.

Credentials/Industry Certifications: High School

Credentials/Industry Certifications: Tulsa Technology Center

- » Child Development Associate
- » Entry Level Child Care Teacher & Teacher Assistant
- » Master Teacher
- » Infant & Toddler Child Care Provider
- » Child Care Director
- » Teacher Assistant

College Majors (examples)

- » Child Care Director
- » Child Life Specialist
- » Coach
- » College/University Faculty
- » Early Childhood Teacher
- » Elementary Teacher
- » Human Resource Trainer
- » Middle School Teacher
- » Physical Trainer
- » School Counselor
- » Secondary Teacher

Careers (examples)

- » Child Care Worker
- » Early Childhood Aide
- » Teacher Aide
- » Group Worker and Assistant
- » Nanny

EDUCATION AND TRAINING

Plus One AA to NSU Elementary Childhood

*Requires admission to TCC

Pathway Courses

Year 1

- » Lead Oklahoma
-

Year 2

- » Family and Consumer Sciences
 - » Parenting & Child Development
 - » Surviving & Thriving Adulthood (Family Services)
 - » Teach Oklahoma
-

Year 3

- » Teaching Internship

TULSA COMMUNITY COLLEGE/NORTHERN STATE UNIVERSITY COURSES

- » ENGL 1113 – Comp I
 - » HIST 1493 – U.S. History
Civil War Era to the Present
 - » MATH 1473 – Quantitative Reasoning
 - » ENGL 1213 – Comp II
-

Year 4

- » Teaching Internship

TULSA COMMUNITY COLLEGE/NORTHERN STATE UNIVERSITY COURSES

- » COMM 1113 – Public Speaking
 - » PSYC 1113 – Introduction to
Psychology
 - » POLS 1113 – American Federal Government
 - » MATH 1513 – Pre-Calculus I
 - » EDUC 3000 – Explorations in Teaching
-

Related Electives

- » BIOL 1114 – General Biology for Non-Majors
- » BIOL 1383 – Nutrition

EDUCATION AND TRAINING

Plus One AA to NSU Elementary Childhood

*Requires admission to TCC

Career Related Activities

Workplace Learning Experiences:

Student internships are available in most career pathways. Depending upon the business selected, internships can be paid or unpaid, and are allowed for up to 3 class periods of a student schedule. For more information on current openings and the application process, please visit the college and career counseling office at BAHS.

Credentials/Industry Certifications: High School

Credentials/Industry Certifications: Tulsa Technology Center

College Majors (examples)

- » Child Care Director
- » Child Life Specialist
- » Coach
- » College/University Faculty
- » Early Childhood Teacher
- » Elementary Teacher
- » Human Resource Trainer
- » Middle School Teacher
- » Physical Trainer
- » School Counselor
- » Secondary Teacher

Careers (examples)

- » Child Care Worker
- » Early Childhood Aide
- » Teacher Aide
- » Group Worker and Assistant
- » Nanny

EDUCATION AND TRAINING
Secondary Education

Pathway Courses

Year 1

- » Lead Oklahoma

Year 2

- » Family and Consumer Sciences
- » Parenting & Child Development
- » Surviving & Thriving Adulthood (Family Services)
- » Teach Oklahoma

Year 3

- » Marriage & Family Life
- » Teaching Internship or
School Community Partnership I

Year 4

- » Teaching Internship or
School Community Partnership II

**Year 3 and 4 Option:
TULSA TECHNOLOGY CENTER**
» Early Care and Education (2yr)

**Related
Electives**

EDUCATION AND TRAINING

Secondary Education

Career Related Activities

Workplace Learning Experiences:

Student internships are available in most career pathways. Depending upon the business selected, internships can be paid or unpaid, and are allowed for up to 3 class periods of a student schedule. For more information on current openings and the application process, please visit the college and career counseling office at BAHS.

Credentials/Industry Certifications: High School

Credentials/Industry Certifications: Tulsa Technology Center

- » **Child Development Associate**
- » **Entry Level Child Care Teacher & Teacher Assistant**
- » **Master Teacher**
- » **Infant & Toddler Child Care Provider**
- » **Child Care Director**
- » **Teacher Assistant**

College Majors (examples)

- » **Child Care Director**
- » **Child Life Specialist**
- » **Coach**
- » **College/University Faculty**
- » **Early Childhood Teacher**
- » **Elementary Teacher**
- » **Human Resource Trainer**
- » **Middle School Teacher**
- » **Physical Trainer**
- » **School Counselor**
- » **Secondary Teacher**

Careers (examples)

- » **Child Care Worker**
- » **Early Childhood Aide**
- » **Teacher Aide**
- » **Group Worker and Assistant**
- » **Nanny**

EDUCATION AND TRAINING

Plus One AA to NSU Secondary Childhood

*Requires admission to TCC

Pathway Courses

Year 1

- » Lead Oklahoma
-

Year 2

- » Family and Consumer Sciences
 - » Parenting & Child Development
 - » Surviving & Thriving Adulthood (Family Services)
 - » Teach Oklahoma
-

Year 3

- » Teaching Internship

TULSA COMMUNITY COLLEGE/NORTHERN STATE UNIVERSITY COURSES

- » ENGL 1113 – Comp I
 - » HIST 1493 – U.S. History Civil War Era to the Present
 - » MATH 1473 – Quantitative Reasoning
 - » ENGL 1213 – Comp II
-

Year 4

- » Teaching Internship

TULSA COMMUNITY COLLEGE/NORTHERN STATE UNIVERSITY COURSES

- » COMM 1113 – Public Speaking
 - » PSYC 1113 – Introduction to Psychology
 - » POLS 1113 – American Federal Government
 - » MATH 1513 – Pre-Calculus I
 - » EDUC 3000 – Explorations in Teaching
-

Related Electives

- » BIOL 1114 – General Biology for Non-Majors
- » BIOL 1383 - Nutrition

EDUCATION AND TRAINING

Plus One AA to NSU Secondary Childhood

***Requires admission to TCC**

Career Related Activities

Workplace Learning Experiences:

Student internships are available in most career pathways. Depending upon the business selected, internships can be paid or unpaid, and are allowed for up to 3 class periods of a student schedule. For more information on current openings and the application process, please visit the college and career counseling office at BAHS.

Credentials/Industry Certifications: High School

Credentials/Industry Certifications: Tulsa Technology Center

College Majors (examples)

- » Child Care Director
 - » Child Life Specialist
 - » Coach
 - » College/University Faculty
 - » Early Childhood Teacher
 - » Elementary Teacher
 - » Human Resource Trainer
 - » Middle School Teacher
 - » Physical Trainer
 - » School Counselor
 - » Secondary Teacher
-

Careers (examples)

- » Child Care Worker
- » Early Childhood Aide
- » Teacher Aide
- » Group Worker and Assistant
- » Nanny

FINANCE

Planning, services for financial and investment planning, banking, insurance and business financial management.

Career Pathways / Programs of Study

- » Business Finance
- » Insurance

FINANCE

Business Finance

Pathway Courses

Year 1

- » Business Law I
- » Business Law II

Year 2

- » Marketing Fundamentals

Year 3

- » Business Management & Supervision

Year 4

- » Accounting I
- » AP Micro Economics/Macro Economics

**Year 3 and 4 Option:
TULSA TECHNOLOGY CENTER**

- » Accounting (1yr)

**Related
Electives**

- » Introduction to Entrepreneurship
- » AP Statistics
- » AP Calculus
- » COM 1113 Public Speaking TCC
- » World Language

FINANCE

Business Finance

Career Related Activities

Workplace Learning Experiences:

Student internships are available in most career pathways. Depending upon the business selected, internships can be paid or unpaid, and are allowed for up to 3 class periods of a student schedule. For more information on current openings and the application process, please visit the college and career counseling office at BAHS.

Credentials/Industry Certifications: High School

- » Brainbench

Credentials/Industry Certifications: Tulsa Technology Center

- » Full-Charge Bookkeeper
- » Accounts Payable Clerk
- » Accounts Receivable Clerk
- » Payroll Clerk
- » Certiport QuickBooks User Certification
- » OSHA 1
- » Brainbench: Data Entry 10-Key, Business Math, Account Payable Fundamentals, Accounts Receivable/Billing
- » Fundamentals, Bookkeeping Fundamentals, Payroll Fundamentals

College Majors (examples)

- » Banking and Financial Support Services
- » Business and Personal/Financial Services
- » Marketing Operations
- » Credit Management
- » Financial Planning Services
- » Insurance
- » International Finance
- » Investments and Securities

Careers (examples)

- » Financial Service
- » Loan Officer
- » Teller

GOVERNMENT & PUBLIC ADMINISTRATION

Planning and performing government functions at the local, state and federal levels, including governance, national security, foreign service, planning, revenue and taxation and regulations.

Career Pathways / Programs of Study

- » Foreign Service
- » Governance and Public Management and Administration

GOVERNMENT AND PUBLIC ADMINISTRATION

Foreign Service

Pathway Courses

Year 1

- » Business Law I
- » AP Human Geography
- » Business Law II

Year 2

- » AP Psychology
- » World Language

Year 3

- » AP European History
- » World Language

Year 4

- » AP Government
- » World Language
- » AP Comparative Government & Politics

Related Electives

- » COMM 1113 Public Speaking TCC
- » JROTC
- » Sociology

Career Related Activities

Workplace Learning Experiences:

Student internships are available in most career pathways. Depending upon the business selected, internships can be paid or unpaid, and are allowed for up to 3 class periods of a student schedule. For more information on current openings and the application process, please visit the college and career counseling office at BAHS.

Credentials/Industry Certifications: High School

Credentials/Industry Certifications: Tulsa Technology Center

College Majors (examples)

- » Political Communication
- » Political Science and Government
- » Public Administration
- » Public Policy Analysis

Careers (examples)

- » Administrative Services Manager
- » Political Scientist
- » Emergency Management Director
- » Public Relations Specialists
- » General and Operations Manager
- » Reporter and Correspondent
- » Legislator

HEALTH SCIENCE

Planning, managing and providing therapeutic services, diagnostic services, health informatics, support services and biotechnology research and development.

Career Pathways / Programs of Study

» Therapeutic Services

HEALTH SCIENCE

Therapeutic Services

Pathway Courses

Year 1

- » Career Exploration
- » Biology

Year 2

- » Lifetime Nutrition and Wellness
- » Physical Science
- » Chemistry or AP Chemistry

Year 3

- » Food Science
- » AP Biology
- » Career Pathway Internship

Year 4

- » Career Pathway Internship

**Year 3 and 4 Option:
TULSA TECHNOLOGY CENTER**

- » Dental Assisting (1yr)
- » Health Science Technology (1yr)
- » Medical Assisting (1yr)
- » Nursing Options (1yr)
- » Sports Medicine & Therapy Professions (1yr)
- » Pharmacy Technician (1yr)
- » Vision Care Assistant (1yr)

**Related
Electives**

- » AP Biology
- » AP Chemistry
- » AP Psychology
- » COMM 1113 Public Speaking TCC

HEALTH SCIENCE

Therapeutic Services

Career Related Activities

Workplace Learning Experiences:

Student internships are available in most career pathways. Depending upon the business selected, internships can be paid or unpaid, and are allowed for up to 3 class periods of a student schedule. For more information on current openings and the application process, please visit the college and career counseling office at BAHS.

Credentials/Industry Certifications: High School

Credentials/Industry Certifications: Tulsa Technology Center

- » American Heart Association Heartsaver First Aid CPR AED
- » American Heart Association BLS Provider
- » Long Term Care Nurse Aide
- » OSHA 10 Health

College Majors (examples)

- » Biotechnology
- » Community Health and Preventive Medicine
- » Dentistry
- » Emergency Medical Technology/Technician
- » Health Informatics/Medical Records Administration
- » Medicine
- » Nursing
- » Pharmacy
- » Physician/Doctor/Surgeon
- » Psychiatrists

Careers (examples)

- » Dentist/Dental Technician
- » Dietitian and Nutritionist
- » Emergency Medical Technicians and Paramedic
- » Nurse/Nursing Assistant
- » Occupation and Physical Therapist
- » Physician Assistant

HOSPITALITY & TOURISM

Management, marketing and operations of restaurants and other food services, lodging, attractions, recreation events and travel related services.

Career Pathways / Programs of Study

- » Restaurant and Food/Beverage Services
- » Travel and Tourism



HOSPITALITY AND TOURISM

Restaurant, Food and Beverage Services Pathway

Pathway Courses

Year 1

» Career Exploration

Year 2

» Intro to FACS

Year 3

» Chemistry
» Nutrition, Food and Wellness
» Food Preparation and Nutrition for Life
» Advanced Food Innovations

Year 4

» Career Pathway Internship
» School and Community Partnership I

**Year 3 and 4 Option:
TULSA TECHNOLOGY CENTER**

» Restaurant and Lodging Management (2yrs)
» Event Planning (1yr)
» Culinary Arts (2yrs)

Related
Electives

HOSPITALITY AND TOURISM

**Restaurant, Food and
Beverage Services Pathway**

Career Related Activities

Workplace Learning Experiences:

Student internships are available in most career pathways. Depending upon the business selected, internships can be paid or unpaid, and are allowed for up to 3 class periods of a student schedule. For more information on current openings and the application process, please visit the college and career counseling office at BAHS.

Credentials/Industry Certifications: High School

Credentials/Industry Certifications: Tulsa Technology Center

- » Certified Guest Service Professional (CGSP)
- » ServSafe
- » Hospitality & Tourism Management Program Year 1 Exam
- » Hospitality & Tourism Management Program Year 2 Exam
- » American Red Cross First Aid, CPR, and AED
- » Cvent Student Certification
- » OSHA 10
- » AHLEI Certified Guest Service Professional (CGSP)

College Majors (examples)

- » Bakery and Pastry Arts/Baker/Pastry Chef
- » Cooking and related Culinary Arts, General
- » Culinary Arts/Chef Training
- » Hotel Administration/Management
- » Restaurant/Food Services Management

Careers (examples)

- » Baker
- » Caterer
- » Chef and Head Cook
- » Food and Beverage Manager
- » Food Service Manager
- » Hotel/Resort Manager
- » Restaurant Owner
- » Waiter/Waitress

HOSPITALITY AND TOURISM
Travel and Tourism

Pathway Courses

Year 1 » Career Exploration

Year 2 » Intro to FACS

Year 3 » Chemistry
» Nutrition, Food and Wellness
» Food Preparation and Nutrition for Life
» Advanced Food Innovations

Year 4 » School and Community Partnership I

Related Electives

**Year 3 and 4 Option:
TULSA TECHNOLOGY CENTER**

» Event Planning (1yr)
» Culinary Arts (2yrs)

Career Related Activities

Workplace Learning Experiences:

Student internships are available in most career pathways. Depending upon the business selected, internships can be paid or unpaid, and are allowed for up to 3 class periods of a student schedule. For more information on current openings and the application process, please visit the college and career counseling office at BAHS.

Credentials/Industry Certifications: High School

Credentials/Industry Certifications: Tulsa Technology Center

- » Certified Guest Service Professional (CGSP)
- » American Red Cross First Aid, CPR & AED
- » OSHA 10
- » AHLEI Certified Guest Service Professional (CGSP)
- » ServSafe
- » Cvent Student Certification
- » ProStart National Certificate of Achievement

College Majors (examples)

- » Association Planners
- » Conference Planners
- » Healthcare Meeting Planner
- » Meeting Directors
- » Promoters
- » Conference Organizers
- » Events Manager
- » Government Meeting Planner
- » Meeting manager

Careers (examples)

- » Event Planner
- » Fundraiser Coordinator
- » Resort Activities Director
- » Volunteer Coordinator
- » Fashion Show Coordinator
- » Party Planner
- » Student Event Planner
- » Wedding Planner

HUMAN SERVICES

Preparing individuals for employment in career pathways that relate to families and human needs such as counseling and mental health services, family and community services, personal care and consumer services.

Career Pathways / Programs of Study

- » Counseling and Mental Health Services
- » Personal Care Services
 - » Cosmetology
 - » Personal Trainers

HUMAN SERVICES

Counseling and Mental Health Services

Pathway Courses

Year 1

» Career Exploration

» Lead Oklahoma

Year 2

» Human Growth and Development

» Interpersonal Studies

Year 3

» Marriage and Family Life

» Sociology

Year 4

» AP Psychology

» Career Exploration Internship

**Related
Electives**

» COMM 1113 Public Speaking TCC

Career Related Activities

Workplace Learning Experiences:

Student internships are available in most career pathways. Depending upon the business selected, internships can be paid or unpaid, and are allowed for up to 3 class periods of a student schedule. For more information on current openings and the application process, please visit the college and career counseling office at BAHS.

Credentials/Industry Certifications: High School

Credentials/Industry Certifications: Tulsa Technology Center

College Majors (examples)

» Community Health Services

» Family Counseling

» Mental and Social Health Services

» Psychology

» Social Work

» Substance Abuse/Addiction Counseling

Careers (examples)

» Art Therapist

» Child and Family Social Worker

» Clinical, Counseling and School Psychologist

» Mental Health Counselor

» Music Therapist

» Substance Abuse and Behavioral Disorder Counselor

» School Counselor

HUMAN SERVICES
Cosmetology

Pathway Courses

Year 1 » Career Exploration

Year 2 » Intro to FACS

Year 3 » Tulsa Technology Center Cosmetology

Year 4 » Tulsa Technology Center Cosmetology

Related Electives

Career Related Activities

Workplace Learning Experiences:

Student internships are available in most career pathways. Depending upon the business selected, internships can be paid or unpaid, and are allowed for up to 3 class periods of a student schedule. For more information on current openings and the application process, please visit the college and career counseling office at BAHS.

Credentials/Industry Certifications: High School

Credentials/Industry Certifications: Tulsa Technology Center

College Majors (examples)

Careers (examples)

- » Beautician
- » Esthetician
- » Hairstylist
- » Makeup Artist
- » Nail Technician
- » Salon or Spa Manager
- » Wedding and Event Stylist

HUMAN SERVICES

Personal Training

Pathway Courses

Year 1 » Algebra I
 » Career Exploration

Year 2 » Geometry
 » Intro to FACS

Year 3 » Algebra II
 » Anatomy and Physiology

Year 4 » Algebra III/TCC Pre-Calculus
 » Career Pathway Internship

Related Electives

Career Related Activities

Workplace Learning Experiences:

Student internships are available in most career pathways. Depending upon the business selected, internships can be paid or unpaid, and are allowed for up to 3 class periods of a student schedule. For more information on current openings and the application process, please visit the college and career counseling office at BAHS.

Credentials/Industry Certifications: High School

College Majors (examples)

- » Kinesthiology
 - » Exercise Science
 - » Nutrition
-

Careers (examples)

- » Personal Trainer
- » Exercise Specialist
- » Health Coach
- » Physical Therapy Tech
- » Physical Therapy Assistant
- » Physical Therapist

INFORMATION TECHNOLOGY

Building linkages in IT occupations for entry level, technical and professional careers related to the design, development, support and management of hardware, software, multimedia and systems integration services.

Career Pathways / Programs of Study

- » Network Systems/Information Support and Services
- » Programming and Software Development

INFORMATION TECHNOLOGY

Network Systems/Information Support and Services

Pathway Courses

Year 1

- » Computer Science I

Year 2

- » Programming – Visual Basics
- » Advanced Programming

Year 3

- » AP Computer Science Principles

Year 4

- » Chromebook Desk

**Year 3 and 4 Option:
Tulsa Technology Center**

- » Cisco Network Associate (1-2yrs)
- » Computer Repair & Network Support (1yr)
- » Cyber Security/Forensics (2yrs)
- » Windows Server Administrator (1-2yrs)
- » Mobile App Development (1yr)

**Related
Electives**

- » Game Design & APP Design
- » Robotics

Career Related Activities

Workplace Learning Experiences:

Student internships are available in most career pathways. Depending upon the business selected, internships can be paid or unpaid, and are allowed for up to 3 class periods of a student schedule. For more information on current openings and the application process, please visit the college and career counseling office at BAHS.

INFORMATION TECHNOLOGY

Network Systems/Information Support and Services

Credentials/Industry Certifications: High School

Credentials/Industry Certifications: Tulsa Technology Center

- » CCNA Routing and Switching - ICND2
- » Cisco Certified Entry Network Technician (CCENT) ICND1
- » Security Fundamentals (MTA)
- » Networking Fundamentals (MTA)
- » CCNA Composite
- » A+ CompTIA Software/Hardware
- » Microsoft Technology Associate - Windows Operating System Fundamentals
- » Microsoft Technology Associate - Networking Fundamentals
- » Microsoft Technology Associate - Windows Server Adm Fundamentals
- » Microsoft Technology Associate - Security Fundamentals
- » Network +
- » Security +
- » TestOut Network Pro
- » TestOut Security Pro
- » TestOut PC Pro Certification
- » Fundamental of Technology
- » Programming Concepts
- » Java Programming
- » Installation, Storage and Compute with Windows Server2016 (MCSA 70-740, MCP)

College Majors (examples)

- » Computer Engineering
- » Computer Information Systems
- » Computer Science
- » Information Technology
- » System Administration
- » Web page/Multimedia

Careers (examples)

- » Animator
- » Database Administrator
- » Data Systems Designer
- » E-Business Specialist
- » Game Developer
- » Information Technology Engineer
- » Media Specialist
- » Network Administrator
- » Network Security Analyst
- » PC Support Specialist
- » Programmer
- » Software Applications Specialist
- » Systems Administrator
- » Telecommunications Network Technician
- » Virtual Reality Specialist
- » Web Architect/Designer

INFORMATION TECHNOLOGY

Programming and Software Development

Pathway Courses

Year 1

- » Computer Science I

Year 2

- » Programming – Visual Basics
- » Advanced Programming

Year 3

- » Web Design
- » Game Design & APP Design

Year 4

- » 2D Animation
- » Multimedia & Video Design
- » AP Computer Principles

Related Electives

- » Robotics
- » Intro to Engineering Design
- » Principles of Engineering (POE)

**Year 3 and 4 Option:
TULSA TECHNOLOGY CENTER**

- » Animation (2yrs)
- » Multimedia Design (2yrs)

INFORMATION TECHNOLOGY

Programming and Software Development

Career Related Activities

Workplace Learning Experiences:

Student internships are available in most career pathways. Depending upon the business selected, internships can be paid or unpaid, and are allowed for up to 3 class periods of a student schedule. For more information on current openings and the application process, please visit the college and career counseling office at BAHS.

Credentials/Industry Certifications: High School

Credentials/Industry Certifications: Tulsa Technology Center

- » ACA Visual Communication Using Adobe Photoshop
- » ACA Graphic Design & Illustration with Adobe Illustrator
- » ACE Adobe After Effects
- » ACA Print & Digital Media Publication using Adobe InDesign
- » ACA Adobe Acrobat Professional
- » ACA Adobe Premier Pro

College Majors (examples)

- » Artificial Intelligence and Robotics
- » Computer Information Systems
- » Computer Engineering
- » Computer Programming
- » Computer Science
- » Information Technology
- » System Administration
- » Webpage/Multimedia

Careers (examples)

- » Computer and Information Research Scientist
- » Computer Hardware Engineer
- » Computer Network Architects & Support Specialist
- » Multimedia Artist and Animator
- » Software Developer Applications or System Software

LAW, PUBLIC SAFETY, CORRECTIONS & SECURITY

Planning, managing and providing legal, public safety, protective services and homeland security, including professional and technical support services.

Career Pathways / Programs of Study

- » Criminal Justice
- » Emergency and Fire Management Services

LAW, PUBLIC SAFETY, CORRECTIONS AND SECURITY

Criminal Justice

Pathway Courses

Year 1

» Business Law I

» Business Law II

Year 2

» Sociology

» Psychology

Year 3

Option:

» Criminal Justice Practical Law or Criminal Justice Investigations

Year 4

Option:

» Criminal Justice Practical Law or Criminal Justice Investigations

**Related
Electives**

» AP Psychology
» JROTC

» TCC COMM 1113 Public Speaking
» Forensics Science

Career Related Activities

» Athletics
» District Career Days

» District Career Nights
» Student Council

» Speech Team
» JROTC

LAW, PUBLIC SAFETY, CORRECTIONS AND SECURITY

Criminal Justice

Workplace Learning Experiences:

Student internships are available in most career pathways. Depending upon the business selected, internships can be paid or unpaid, and are allowed for up to 3 class periods of a student schedule. For more information on current openings and the application process, please visit the college and career counseling office at BAHS.

Credentials/Industry Certifications: High School

Credentials/Industry Certifications: Career Tech

- » Unarmed Security Guard
- » NAED Emergency Telecommunicator Certification
- » American Heart Association Heartsaver First Aid/CPR AED

College Majors (examples)

- » Corrections and Criminal Justice
- » Court Reporter
- » Forensic Science and Technology
- » Law
- » Legal Assistant/Paralegal

Careers (examples)

- » Arbitrator, Mediator and Conciliator
- » Child, Family and School Social Worker
- » Correctional Officer
- » Court Reporter/Paralegal/Legal Assistant
- » Criminal Investigator/Detective/Special Agent
- » Forensic Science Technician
- » Hearing Officer
- » Immigration and Customs Inspector
- » Police Officer/Detective
- » Private Security
- » Sheriffs and Deputy Sheriff

LAW, PUBLIC SAFETY, CORRECTIONS AND SECURITY

Emergency & Fire Management Services

Pathway Courses

Year 1

» Business Law I

Year 2

» Sociology

Year 3
Option:

» TCC Fire and Emergency Medical Services Technology

Year 4
Option:

» TCC Fire and Emergency Medical Services Technology

Related
Electives

» AP Psychology
» JROTC

» TCC COMM 1113 Public Speaking

Career Related Activities

» Athletics
» District Career Days
» District Career Nights
» Student Council
» Forensics Science
» JROTC

LAW, PUBLIC SAFETY, CORRECTIONS AND SECURITY

Emergency & Fire Management Services

Workplace Learning Experiences:

Student internships are available in most career pathways. Depending upon the business selected, internships can be paid or unpaid, and are allowed for up to 3 class periods of a student schedule. For more information on current openings and the application process, please visit the college and career counseling office at BAHS.

Credentials/Industry Certifications: High School

Credentials/Industry Certifications: College

- » Fire and Emergency Medical Services Certificate
-

College Majors (examples)

- » Fire Protection and Safety Technician
 - » Fire Science/Firefighting
 - » Fire Services Administration
-

Careers (examples)

- » Correctional Officer
- » Fire Inspector
- » Firefighter
- » Forest Fire Inspector/Firefighter
- » Paramedic
- » Emergency Management
- » Fire Investigator
- » First-line Supervisors of Fire Fighting and Prevention Worker

MANUFACTURING

Planning, managing and performing the processing of materials into intermediate or final products and related professional and technical support activities such as production planning and control, maintenance and manufacturing/process engineering.

Career Pathways / Programs of Study

» Manufacturing

MANUFACTURING

Manufacturing

Pathway Courses

Year 1

- » Introduction to Manufacturing

Year 2

- » PLTW Introduction to Engineering Design

Year 3

**Year 3 and 4 Option:
TULSA TECHNOLOGY CENTER**

Year 4

- » Certification Production Technician

- » TTC Applied Engineering Technology
- » Certified Machine Operator
- » Certified Machine Technician
- » Drafting
- » Foundations of Manufacturing
- » Mechatronics Systems Technician
- » Welding Combination
- » Welding Fabricator

Related Electives

- » Introduction of Agriscience
- » Introduction to Ag Power & Technology
- » Ag Power & Technology
- » Ag Structures

MANUFACTURING

Manufacturing

Career Related Activities

- » Athletics
- » District Career Days
- » District Career Nights
- » FIRST Robotics
- » FFA

Workplace Learning Experiences:

Student internships are available in most career pathways. Depending upon the business selected, internships can be paid or unpaid, and are allowed for up to 3 class periods of a student schedule. For more information on current openings and the application process, please visit the college and career counseling office at BAHS.

Credentials/Industry Certifications: High School

Credentials/Industry Certifications: Career Tech

- » CNC Turning: Operations
 - » CNC Milling: Operations
 - » CNC Milling: Programming Setup & Operations
 - » CNC Turning: Programming Setup & Operations
 - » Turning Operations: Turning chucking Skills
-

College Majors (examples)

- » Electronic Equipment Installation
 - » Industrial Production Technologies
 - » Machine Tool Technology
 - » Nuclear Power Technologies
 - » Sheet Metal Technology
 - » Tool and Die Technology
 - » Welding Technology
 - » Woodworking
-

Careers (examples)

- » Chemical Equipment Operator
- » Civil Engineering Technician
- » Computer-Controlled Machine Tool Operator
- » Construction and Related Worker
- » Electrical Engineering Technician
- » Engineering Technician
- » Installation, Maintenance and Repair Worker
- » Industrial Engineering Technician
- » Machinist
- » Mechanical Engineering Technician
- » Occupational Health and Safety Specialist
- » Tool and Die Maker
- » Welding, Soldering and Brazing Machine Setter, Operators and Tender
- » Woodworker

MARKETING

Planning, managing and performing marketing activities to reach organizational objectives.

Career Pathways / Programs of Study

- » Marketing
 - » Management
 - » Communications
 - » Research
 - » Professional Sales

MARKETING

Marketing

Pathway Courses

Year 1 » Marketing Fundamentals

Year 2 » Accounting

Year 3 » Work Based Management

Year 4 » Marketing Internship

**Year 3 and 4 Option:
TULSA TECHNOLOGY CENTER**

Related Electives

- » AP Calculus
- » AP Statistics
- » Digital Graphics
- » Photo Editin
- » Yearbook
- » TCC Speech

Career Related Activities

- » Athletics
- » District Career Days
- » Distributive Education Clubs of America (DECA)
- » Yearbook

Workplace Learning Experiences:

Student internships are available in most career pathways. Depending upon the business selected, internships can be paid or unpaid, and are allowed for up to 3 class periods of a student schedule. For more information on current openings and the application process, please visit the college and career counseling office at BAHS.

Certificates: High School

Certificates: Career Tech

College Majors (examples)

- » Advertising
 - » International Marketing
 - » Public Relations
 - » Sales/Distribution
 - » Fashion Merchandising
 - » Marketing
 - » Retail Operations
-

Careers (examples)

- » Advertising and Promotions Manager
- » Demonstrator and Product Promoter
- » Meeting, Convention and Event Planner
- » Real Estate Broker
- » Survey Researcher
- » Appraiser and Assessor of Real Estate
- » Market Research Analyst & Marketing Specialist
- » Public Relation
- » Sales and Related Worker
- » Wholesale and Retail Buyer

SCIENCE, TECHNOLOGY, ENGINEERING & MATHEMATICS

Planning, managing, and providing scientific research and professional and technical services (e.g., physical science, social science, engineering) including laboratory and testing services and research and development services.

Career Pathways / Programs of Study

- » **Engineering and Technology: Engineering**
- » **Science and Mathematics: Science Research and Development**
- » **Science and Mathematics: Social Science Research and Development**
- » **Science and Mathematics: Mathematics**

SCIENCE, ENGINEERING AND MATHEMATICS

Engineering

Pathway Courses

Year 1

- » TT – PLTW Introduction to Engineering Design

Year 2

- » TT – PLTW Principles of Engineering
- » AP Physics I

Year 3

- » TT – PLTW Engineering Design and Development
- » AP Physics 2
- » AP Calculus AB

**Year 3 and 4 Option:
Tulsa Technology Center**

Year 4

- » AP Physics C Elect. or AP Physics C Mech.
- » AP Calculus BC

**Related
Electives**

- » TT - Introduction to Manufacturing
- » TT - Foundations of Manufacturing
- » AP Biology
- » AP Chemistry
- » AP Environmental Science
- » AP Computer Science
- » TCC Speech

SCIENCE, ENGINEERING AND MATHEMATICS

Engineering

Career Related Activities

- » Athletics
- » District Career Days
- » Robotic Club
- » Academic Bowl
- » Math Team

Workplace Learning Experiences:

Student internships are available in most career pathways. Depending upon the business selected, internships can be paid or unpaid, and are allowed for up to 3 class periods of a student schedule. For more information on current openings and the application process, please visit the college and career counseling office at BAHS

- » CEP
- » Robotics club
- » Internship

Certificates: High School

Certificates: Career Tech

College Majors (examples)

- » Aerospace Engineer
- » Biomedical Engineer
- » Civil Engineer
- » Engineering Technician
- » Mechanical Engineer
- » Agricultural Engineer
- » Chemical Engineer
- » Electrical Engineer
- » Industrial Engineer
- » Nuclear Engineer

Careers (examples)

- » Aerospace Engineer
- » Biomedical Engineer
- » Chemical Engineer
- » Draftsman
- » Engineering Technician
- » Mechanical Engineer
- » Agriculture Engineer
- » CAD Designer
- » Civil Engineer
- » Electrical Engineer
- » Industrial Engineer
- » Nuclear Engineer

SCIENCE, ENGINEERING AND MATHEMATICS

Science Research and Development

Pathway Courses

Year 1 » Biology

Year 2 » Chemistry or AP Physics » Earth Science

Year 3 » Physics or AP Physics » AP Biology

Year 4 » Astronomy » Anatomy & Physiology

Related Electives

- » AP Calculus
 - » AP statistics
 - » TCC Speech
-

Career Related Activities

- » Athletics
- » Computers Club
- » District Career Days
- » Math Team
- » Robotic Club

Workplace Learning Experiences:

Student internships are available in most career pathways. Depending upon the business selected, internships can be paid or unpaid, and are allowed for up to 3 class periods of a student schedule. For more information on current openings and the application process, please visit the college and career counseling office at BAHS.

College Majors (examples)

- » Anatomy/Physiology
 - » Astronomy
 - » Biology/Biological Sciences
 - » Chemistry
 - » Ecology
 - » Geology/Earth Science
 - » Physics
-

Careers (examples)

- » Astronomer
- » Atmospheric and Space Scientist
- » Biological Scientist
- » Chemist
- » Geoscientist
- » Medical Scientist
- » Microbiologist
- » Museum Curator
- » Physicist
- » Research Technician
- » Survey Researcher
- » Zoologists and Wildlife

SCIENCE, ENGINEERING AND MATHEMATICS

Mathematics

Pathway Courses

Year 1

- » Algebra or Pre-AP Geometry
-

Year 2

- » Geometry or Pre-AP Algebra II
-

Year 3

- » Algebra II or Pre-AP Pre-Calculus
-

Year 4

- » Pre-Calculus or AP Calculus
-

**Related
Electives**

- » AP Biology
 - » AP Computer Science Principles
 - » AP Environmental Science
 - » TCC Speech
 - » AP Chemistry
 - » AP Economics
 - » AP Physics
-

Career Related Activities

- » Athletics
- » District Career Days
- » Robotics
- » Computer Club
- » Math Team

Workplace Learning Experiences:

Student internships are available in most career pathways. Depending upon the business selected, internships can be paid or unpaid, and are allowed for up to 3 class periods of a student schedule. For more information on current openings and the application process, please visit the college and career counseling office at BAHS.

College Majors (examples)

- » Algebra and Number theory
 - » Computational Mathematics
 - » Mathematics and Computer Science
 - » Applied Mathematics
 - » Mathematics
 - » Statistics and Probability
-

Careers (examples)

- » Applied Mathematician
- » Statistician
- » Mathematician
- » Survey Researcher

TRANSPORTATION, DISTRIBUTION & LOGISTICS

A large commercial airplane is shown from a low-angle perspective, flying across the sky. The sky is a mix of purple, pink, and orange, indicating a sunset or sunrise. The airplane is silhouetted against the bright light, with its wings and tail clearly visible.

Planning, management, and movement of people, materials and goods by road, pipeline, air, rail and water and related professional and technical support services such as transportation infrastructure planning and management, logistics services, mobile and facility maintenance.

Career Pathways / Programs of Study

- » Facility and Mobile Equipment Maintenance



TRANSPORTATION, DISTRIBUTION AND LOGISTICS

Facility and Mobile Equipment Maintenance

Pathway Courses

Year 1

- » Algebra I
- » Introduction to Manufacturing

Year 2

- » Geometry
- » Foundations of Manufacturing

Year 3

- » Algebra II

Year 4

- » Certified Production Technician Internship

**Year 3 and 4 Option:
TULSA TECHNOLOGY CENTER**

- » Light Diesel Truck Service Tech
- » Medium/Heavy Diesel Service Tech
- » Automotive Service Tech

**Related
Electives**

TRANSPORTATION, DISTRIBUTION AND LOGISTICS

Facility and Mobile Equipment Maintenance

Career Related Activities

Workplace Learning Experiences:

Student internships are available in most career pathways. Depending upon the business selected, internships can be paid or unpaid, and are allowed for up to 3 class periods of a student schedule. For more information on current openings and the application process, please visit the college and career counseling office at BAHS.

Credentials/Industry Certifications: High School

- » MHT: Diesel Engine (ASE Student)
- » MHT: Electrical /Electronic Systems (ASE student)
- » MHT: Steering & Suspension (ASE student)
- » MHT: Brakes (ASE student)
- » Diesel Engine Repair Technician
- » Preventative Maintenance Inspection Technician
- » Electrical/Electronic Systems Repair
- » Brakes Technician (MHT)
- » Heating, Ventilation, & Air Conditioning Repair Technician (MHT)
- » Refrigerant, Recycling, & Recovery-Section 609
- » Commercial Driver's License Class B
- » AST: Brakes (ASE Student)
- » AST: Suspension & Steering
- » AST: Electrical & Electronics Systems (ASE Student)
- » AST: Engine Performance (ASE Student)
- » AST: Automotive Transmission/Transaxles (ASE Student)
- » AST: Heating and Air Conditioning (ASE Student)
- » AST: Engine Repair (ASE Student)
- » AST: Maintenance and Light Repair (ASE Student)
- » AST: Manual Drive Train & Axles (ASE Student)
- » NATEF/ASE Approved Student, MHT: Diesel Engine (ASE Student)
- » NATEF/ASE Approved Student, MHT: Electrical/Electronic Systems (ASE Student)
- » NATEF/ASE Approved Student MHT: Steering & Suspension (ASE Student)
- » NATEF/ASE Approved Student MHT: Brakes (ASE Student)
- » ODCTE Diesel Engines Repair Technician
- » Preventive Maintenance Inspection Technician
- » ODCTE Electrical/Electronic Systems Repair Technician
- » MACS Certification Refrigerant, Recycling, & Recovery - Section 609
- » Brakes Technician
- » HVAC Repair Technician

College Majors (examples)

Careers (examples)

- » Facility Maintenance Manager/Engineer
- » Industrial Equipment Mechanics
- » Industrial Electricians
- » Mobile Equipment Maintenance Manager
- » Aircraft Engine Specialist
- » Automotive Body and Related Repairers

