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# OCCUPATIONAL SAFETY & HEALTH TECHNOLOGY

*Associate in Applied Science Degree in Occupational Safety and Health Technology*

**Information:** 602-286-8174

[www.gatewaycc.edu/occupational-safety-health-technology](http://www.gatewaycc.edu/occupational-safety-health-technology)



## WELCOME TO THE OCCUPATIONAL SAFETY & HEALTH TECHNOLOGY PROGRAM

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If you have any questions about the enclosed program material, please feel free to contact any of the following program contacts:

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**Disclaimer: This document is for informational purposes only. The official programs description can be found here: <http://www.maricopa.edu/academic/ccta/> OSH AAS # 3762 OSH CCL #5859**

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## REGISTRATION CHECKLIST

1	<p><b>Submit 'Student Information Form'</b>  <a href="https://eims.maricopa.edu/MAW/MAW.html">https://eims.maricopa.edu/MAW/MAW.html</a></p>	Enrollment Services IE 1214	602.286.8200
2	<p><b>Verify in-state residency by filling out Prop 300 form.</b>  <a href="http://www.maricopa.edu/residency/">http://www.maricopa.edu/residency/</a>  <b>Click Student Declaration Form</b></p>	Enrollment Services IE 1214	602.286.8200
3	<p><b>Request Official Transcripts from all other educational agencies to be forwarded to the following address:</b></p> <p><b>Gateway Community College          Attn: Admissions and Records          108 North 40 Street          Phoenix, AZ 85034</b></p>	Enrollment Services IE 1214	602.286.8200
4	<p><b>Fill out Request for Transcript Evaluation</b>  <a href="http://www.gatewaycc.edu/forms/transcript-evaluation-request">http://www.gatewaycc.edu/forms/transcript-evaluation-request</a></p>	Enrollment Services IE 1214 - Joyce Cameron	602-286-8055
5	<p><b>Take Course Placement Test</b>          Some courses and programs require test scores prior to enrollment.          No fee required BRING PICTURE ID Call for times</p>	Testing Center IE 1252	602.286.8160
6	<p><b>Apply for Financial Aid and Scholarships, if interested</b>  <a href="http://www.gatewaycc.edu/Pay/FinancialAid/Apply.aspx">http://www.gatewaycc.edu/Pay/FinancialAid/Apply.aspx</a>  <a href="http://www.fafsa.ed.gov/index.htm">http://www.fafsa.ed.gov/index.htm</a></p>	Enrollment Services IE 1214	602.286.8300
7	<p><b>Meet with an Industrial Technology Program Advisor</b>          Explore your program options, obtain registration advisement and setup a program of study plan.</p>	Enrollment Services IE 1201	602.286.8174
8	<p><b>Register for Courses</b>          Schedule Available at : <a href="http://classes.sis.maricopa.edu/">http://classes.sis.maricopa.edu/</a>          Enroll online at : <a href="https://my.maricopa.edu/">https://my.maricopa.edu/</a></p>	Enrollment Services IE 1214	602.286.8200
9	<p><b>Pay Tuition and Fees</b>          Payment Plans and Payment Extensions Available. Ask for Details.</p>	Enrollment Services IE 1214	602.286.8277
10	<p><b>Obtain Student ID, Optional</b>          Student Life BRING PICTURE ID</p>	Enrollment Services IE 1214	602.286.8141
11	<p><b>Obtain Parking Decal, Required</b>          Required if parking a vehicle on campus</p>	Enrollment Services IE 1214	602.286.8200
12	<p><b>Purchase Books</b>          Bookstore or online at <a href="http://www.foollet.com">www.foollet.com</a></p>	Main Building, Bookstore Room MA1200	602.286.8400

## **CAREER DESCRIPTION**

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Occupational Safety and Health (OSH) Professionals assist in anticipating, identifying, and controlling unsafe working conditions. This career requires you to spend a great deal of time in the field, inspecting and auditing work sites, and applying a wide range of laws, regulations, policies and procedures to new and existing conditions. You also will be required to research, develop and implement programs to correct safety and health related issues. As an OSH professional, you will assist employers in complying with Occupational Safety and Health Act (OSHA) regulations, National Fire Protection Association standards, American National Standards Institute standards, emergency management and safety management system elements. Assistance may include written reports, programs, training and on site monitoring of toxic chemicals, noise, and hazardous waste. OSH professionals interact with all levels of management, engineers and employees. As a specialist, you will need specific written and verbal skills to inform and train employees in safe work practices. You can find employment with all levels of government agencies and with public and private businesses.

## **HOW TO GET STARTED**

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GateWay Community College is the only school in the state of Arizona to offer an Associate in Applied Science in Occupational Safety and Health Technology. A Certificate of Completion in Occupational Safety and Health Technology is also offered. Both programs provide the classroom and applied experience needed to become an OSHS.

## **EMPLOYMENT OUTLOOK**

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For information about employment trends, education requirements, job descriptions and salary trends, visit [onetonline.org](http://onetonline.org).

## **PROGRAM COST**

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Tuition may be as low as one quarter of the cost of state universities and private colleges.

The Maricopa County Community College District Governing Board sets tuition and fees every spring. Currently, tuition is set at \$86 per credit hour. Tuition and fees are subject to change.

For the latest tuition and fees schedule, visit [gatewaycc.edu/tuition](http://gatewaycc.edu/tuition).

Textbooks are purchased or can be rented online through the bookstore at [gatewaycc.edu/bookstore](http://gatewaycc.edu/bookstore), and are competitively priced.

## **ACCREDITATION(S)**

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GateWay Community College is a Maricopa Community College, accredited by the Higher Learning Commission, a Commission of the North Central Association of Colleges and Schools (30 North LaSalle St, Suite 2400, Chicago, IL. 60602 2504, (800) 621-7440, and its courses are approved by the Social Security Administration for Veterans' training school is authorized under federal law to enroll nonimmigrant alien students.

The GateWay Surgical Technology Program is accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP) upon the recommendation of the Accreditation Review Committee on Education in Surgical Technology and Surgical Assisting (ARC/STA).

Financial aid and childcare are available. Call for more information. Contact Financial Aid at (855) 622-2332 and the Children's Learning Center at (602) 286-8130.

## DEGREE & CERTIFICATE PROGRAM

### CERTIFICATE OF COMPLETION (CERT) IN OCCUPATIONAL SAFETY & HEALTH TECHNOLOGY

Course Pre-Fix	Course Name	Credits	Advisor Notes
<b>Certificate of Completion Required Courses</b>			
OSH101	Introduction to Occupational Safety, Health, and Environmental Technology	3	
OSH102	Introduction to Industrial Hygiene	3	
OSH105AA <b>or</b> OSH106AA <b>or</b> Recognized OSHA Card	Construction Safety (105) <b>or</b> Industrial Safety (106) <b>*Please note: Students receive OSHA 30 hour card, this card will not be available for on-line only classes.</b>	0-3	
OSH107	Occupational Safety Principles and Practice	3	
<b>Students Must Select One (1) of the (3) Tracks:</b>			
<b>Track 1: Safety Management</b> +OSH 203 Safety Program Management I – 3cr. +OSH 204 Health and Safety Program Management II – 3cr. +OSH 220 Safety and Emergency Management – 3cr. <b>OR</b> +OSH 240 Facilities Special Systems & Codes – 3cr. +OSH 206 Risk Management & Loss Control – 3cr.		12	
<b>Track 2: Safety Professional</b> +OSH 203 Safety Program Management I – 3cr. +OSH 230 Safety & Environment Response To Hazardous Spills & Waste – 3cr. <b>OR</b> +OSH 240 Facilities Special System & Codes – 3cr. +OSH 218 Ergonomics – 3cr. +OSH 220 Safety & Emergency Management – 3cr.		12	
<b>Track 3: Construction Specialist</b> +OSH 113 Urban Workplace Response: First Aid/Cardiopulmonary Resurrection – 1cr. <b>OR</b> +OSH 212 Electrical Safety Arc Flash – 1cr. +OSH 203 Safety Program Management I – 3cr. +OSH 240 Facilities Special Systems & Codes – 3cr. +OSH 213 Excavation, Trenching and Soil Mechanics – 2cr. +OSH 230 Safety & Environment Response To Hazardous Spills & Waste – 3cr.		12	
<b>Restricted Electives (Students should select three (3) credits from the following courses in consultation with a Program Advisor.</b>			
Any 100/200 level OSH or FAC prefixed courses may be selected, except courses used to satisfy the Required Courses area. FAC+++++ Any FAC Facilities Management course(s) IND+++++ Any IND Industry course(s) OSH+++++ Any OSH Occupational Safety and Health course(s) WRT+++++ Any WRT Water Resource Technology course(s)		3	
<b>Total Required Credits for Associate in Applied Science</b>		<b>24-27</b>	

To receive this certification and/or degree, students must earn a grade 'C' or better in all courses within the program.

+ Indicates course has prerequisite and/or corequisite.

<b>Associates in Applied Science Program Prerequisites</b>			
+ENG101 or +ENG107	First-Year Composition or First-Year Composition for ESL	3	
+MAT090 <b>OR</b> +MAT091 <b>OR</b> MAT092 <b>OR</b> MAT093	Developmental Algebra or Introductory Algebra or Introduction Algebra/Math Anxiety Reduction or Equivalent or Satisfactory score on District Placement Exam. If student takes one of the Math class options from Restricted Electives area, there will be 0 credits required to fulfill Program Prerequisites. MAT courses in program prerequisite area may be waived based on work experience as determined by Program Director.	0-5	
<b>Associates In Applied Science Required Courses</b>			
BIO105 or BIO160	Environmental Biology or Introduction to Human Anatomy and Physiology	4	
CHM130 and CHM130LL <b>OR</b> CHM151 and CHM151LL	Fundamental Chemistry & Fundamental Chemistry Lab  General Chemistry & General Chemistry Lab	4	
GBS110 <b>OR</b> MGT101	Human Relations in Business and Industry Techniques of Supervision	3	
HMT/OSH101	Introduction to Occupational Safety, Health, and Environmental Technology	3	
OSH102	Introduction to Industrial Hygiene	3	
+OSH107	Occupational Safety Principles and Practice	3	
OSH105AA <b>OR</b> OSH106AA	Construction Safety Industrial Safety <b>OR</b> Recognized OSHA card	0-3	
<b>Students Must Select One (1) of the (3) Tracks</b>			
<b>Track 1: Safety Management</b> +OSH 203 Safety Program Management I – 3cr. +OSH 204 Health and Safety Program Management II – 3cr. +OSH 220 Safety and Emergency Management – 3cr. <b>or</b> +OSH 240 Facilities Special Systems & Codes – 3cr. OSH 206 Risk Management & Loss Control – 3cr.		12	
<b>Track 2: Safety Professional</b> +OSH 203 Safety Program Management I – 3cr. +OSH 230 Safety & Environment Response To Hazardous Spills & Waste – 3cr. <b>or</b> +OSH 240 Facilities Special System & Codes – 3cr. +OSH 218 Ergonomics – 3cr. +OSH 220 Safety & Emergency Management – 3cr.		12	
<b>Track 3: Construction Specialist</b> +OSH 113 Urban Workplace Response: First Aid/Cardiopulmonary Resurrection – 1 cr. <b>or</b> +OSH 212 Electrical Safety Arc Flash – 1 cr. +OSH 203 Safety Program Management I – 3cr. +OSH 240 Facilities Special Systems & Codes – 3cr. +OSH 213 Excavation, Trenching and Soil Mechanics – 2cr. +OSH 230 Safety & Environment Response To Hazardous Spills & Waste – 3cr.		12	
<b>Required Courses</b>		<b>32-35</b>	
<b>Restricted Electives (Students should select five (5) to thirteen (13) credits from the following courses to complete a minimum of 60 credits for the AAS degree in consultation with a Program Advisor.</b>			
Any 100/200 level prefixed courses may be selected, except courses used to satisfy the Required Courses area. Any BIO, CHM, CIS, ENV, PHY, PHS, MAT prefixed courses selected must be approved by Program Director.		<b>5-13</b>	

BIO+++++ Any BIO Biology course(s) CHM+++++ Any CHM Chemistry course(s) CIS+++++ Any CIS Computer Information Systems course(s) ENV+++++ Any ENV Environmental Sciences course(s) FAC+++++ Any FAC Facilities Management course(s) IND+++++ Any IND Industry course(s) OSH+++++ Any OSH Occupational Safety and Health course(s) PHY+++++ Any PHY Physics course(s) PHS+++++ Any PHS Physical Science course(s) SPA+++++ Any SPA Spanish course(s) WRT+++++ Any WRT Water Resource Technology course(s)  MAT150 College Algebra/Functions OR MAT151 College Algebra/Functions OR MAT152 College Algebra/Functions OR Equivalent course OR Satisfactory completion of a higher level mathematics course  BLT121 Electrical Codes BLT124 Designing for the American with Disabilities Act (ADA) BLT142 Green Building Codes, Standards and Rating Systems HCC/RES109 CPR for Health Care Provider FSC105 Hazardous Materials/Frist Responder HCC130AA Health Care Today HCC130AB Workplace Behaviors in Health Care HCC130AC Personal Wellness and Safety		
<b>General Education Requirements</b>	<b>12-20</b>	
<b>General Education Core</b>	<b>6-14</b>	
<b>First Year Composition</b> Three (3) credits of First Year Composition are met by ENG101 or ENG107 in Program Prerequisites area.	3	
<b>Oral Communications</b> COM110 Interpersonal Communication <b>OR</b> +COM230 Small Group Communication	3	
<b>Critical Reading</b> +CRE101 College Critical Reading OR +CRED111 Critical Reading for Business and Industry OR Equivalent by assessment	0-3	
<b>Mathematics</b> +MAT120 Intermediate Algebra OR +MAT121 Intermediate Algebra OR +MAT122 Intermediate Algebra OR Equivalent course OR Satisfactory completion of a higher level mathematics course OR Met by satisfactory completion of mathematics course from the Restricted Electives area.	0-5	
<b>General Education Distribution</b>	<b>6</b>	
<b>Humanities and Fine Arts</b> Any approved general education course from the Humanities, Arts and Design area	3	
<b>Social and Behavioral Sciences</b> Any approved general education course from the Social-Behavioral Sciences area	3	
<b>Natural Sciences</b> Met by CHM130 and CHM130LL, or CHM151 and CHM151LL in Required Courses	0	
<b>Total Require Credits for Associate In Applied Science</b>	<b>60-64</b>	

## COURSE SEQUENCING FOR FALL/SPRING

SUGGESTED COURSE SEQUENCE FOR:  
 OCCUPATIONAL SAFETY & HEALTH DEGREE  
 AND CERTIFICATE PROGRAM – **SAFETY MANAGEMENT**

### FALL START

1 <sup>st</sup> Semester, Fall				
Course	Credit	Tuition	Course Fees	Book
OSH101	3	\$258	\$25	Yes
OSH106AA or	3	\$258	\$40	Yes
OSH113	3	\$258	\$0	No
General Studies/ Required Core Classes	<i>Required general education core classes can be taken at any other MCCCD Colleges at your convenience (summer, online and Saturday classes are available)</i>			

2 <sup>nd</sup> Semester, Spring				
Course	Credit	Tuition	Course Fees	Book
OSH102	3	\$258	\$25	Yes
OSH107	3	\$258	\$25	Yes
General Studies/ Required Core Classes	<i>Required general education core classes can be taken at any other MCCCD Colleges at your convenience (summer, online and Saturday classes are available)</i>			

3 <sup>rd</sup> Semester, Fall				
Course	Credit	Tuition	Course Fees	Book
OSH203	3	\$258	\$25	Yes
OSH206	3	\$258	\$25	Yes
OSH220	3	\$258	\$0	No
General Studies/ Required Core Classes	<i>Required general education core classes can be taken at any other MCCCD Colleges at your convenience (summer, online and Saturday classes are available)</i>			
Restrictive Courses	<i>See Director or Program Advisor</i>			

4 <sup>th</sup> Semester, Fall				
Course	Credit	Tuition	Course Fees	Book
OSH204	3	\$258	\$25	Yes
OSH/FAC240	3	\$258	\$0	Yes
General Studies/ Required Core Classes	<i>Required general education core classes can be taken at any other MCCCD Colleges at your convenience (summer, online and Saturday classes are available)</i>			
Restrictive Courses	<i>OSH Class – See Director or Program Advisor</i>			



## COURSE SEQUENCING FOR FALL/SPRING –

OCCUPATIONAL SAFETY & HEALTH DEGREE  
& CERTIFICATE PROGRAM – **SAFETY PROFESSIONAL**

### FALL START

1 <sup>st</sup> Semester, Fall				
Course	Credit	Tuition	Course Fees	Book
OSH101	3	\$258	\$25	Yes
OSH106AA or	3	\$258	\$40	Yes
OSH113	1	\$86	\$0	No
General Studies/ Required Core Classes	<i>Required general education core classes can be taken at any other MCCD Colleges at your convenience (summer, online and Saturday classes are available)</i>			

2 <sup>nd</sup> Semester, Spring				
Course	Credit	Tuition	Course Fees	Book
OSH102	3	\$258	\$25	Yes
OSH107	3	\$258	\$25	Yes
General Studies/ Required Core Classes	<i>Required general education core classes can be taken at any other MCCD Colleges at your convenience (summer, online and Saturday classes are available)</i>			

3 <sup>rd</sup> Semester, Fall				
Course	Credit	Tuition	Course Fees	Book
OSH203	3	\$258	\$25	Yes
OSH218	3	\$258	\$0	Yes
OSH220	3	\$258	\$0	No
OSH230	3	\$258	\$125	No
General Studies/ Required Core Classes	<i>Required general education core classes can be taken at any other MCCD Colleges at your convenience (summer, online and Saturday classes are available)</i>			
Restrictive Elective (s)	<i>See Director or Program Advisor</i>			

4 <sup>th</sup> Semester, Spring				
Course	Credit	Tuition	Course Fees	Book
OSH/FAC240	3	\$258	\$25	Yes
General Studies/ Required Core Classes	<i>Required general education core classes can be taken at any other MCCD Colleges at your convenience (summer, online and Saturday classes are available)</i>			
Restrictive Courses	<i>OSH Class – See Director or Program Advisor</i>			

## COURSE SEQUENCING FOR FALL/SPRING

SUGGESTED COURSE SEQUENCE FOR:  
 OCCUPATIONAL SAFETY & HEALTH DEGREE  
 AND CERTIFICATE PROGRAM – **CONSTRUCTION**

### FALL START

1 <sup>st</sup> Semester, Fall				
Course	Credit	Tuition	Course Fees	Book
OSH101	3	\$258	\$25	Yes
OSH106AA or	3	\$258	\$25	Yes
OSH113	1	\$86	\$0	No
General Studies/ Required Core Classes	<i>Required general education core classes can be taken at any other MCCCD Colleges at your convenience (summer, online and Saturday classes are available)</i>			

2 <sup>nd</sup> Semester, Spring				
Course	Credit	Tuition	Course Fees	Book
OSH102	3	\$258	\$25	Yes
OSH107	3	\$258	\$25	Yes
General Studies/ Required Core Classes	<i>Required general education core classes can be taken at any other MCCCD Colleges at your convenience (summer, online and Saturday classes are available)</i>			

3 <sup>rd</sup> Semester, Fall				
Course	Credit	Tuition	Course Fees	Book
OSH203	2	\$172	\$25	Yes
OSH230	3	\$258	\$125	No
OSH240	3	\$252	\$0	No
General Studies/ Required Core Classes	<i>Required general education core classes can be taken at any other MCCCD Colleges at your convenience (summer, online and Saturday classes are available)</i>			

4 <sup>th</sup> Semester, Spring				
Course	Credit	Tuition	Course Fees	Book
OSH213	2	\$172	\$350	Yes
OSH212	1	\$86	\$25	Yes
General Studies/ Required Core Classes	<i>Required general education core classes can be taken at any other MCCCD Colleges at your convenience (summer, online and Saturday classes are available)</i>			
Restrictive Courses	OSH Class – See Director or Program Advisor			

## PROGRAM COST

### OCCUPATIONAL SAFETY & HEALTH DEGREE AND CERTIFICATE COST ESTIMATE

Program	Tuition	Course Fees	Total
Associate of Applied Science in Occupational Safety & Health	\$5,504	\$190-\$665	\$6,169
Certificate of Completion in Occupational Safety & Health	\$2,322	\$190-\$665	\$2,987

Please note that these are only estimates and do not include books. These estimates may change based on increases to tuition, course fees and book cost. Estimates are based on the 2014 – 2015 tuition rates for in-county students. Additional fees may apply.

## COLLEGE CONTACT INFORMATION

Admissions, Registration and Records.....	(602) 286-8200
Adult Re-Entry.....	(602) 286-8900
Apprenticeship Programs.....	(602) 286-8681
Assessment/Testing Center.....	(602) 286-8160
Bookstore.....	(602) 286-8400
Cafeteria.....	(602) 286-8308
Career and Employment Service Center.....	(602) 286-8500
College Safety.....	(602) 286-8911
Cashier's Office.....	(602) 286-8277
Cashier's TIP Hotline.....	(602) 286-8286
Children's Learning Center.....	(602) 286-8130
College Information.....	(602) 286-8000
Counseling.....	(602) 286-8900
Disabilities Services.....	(602) 286-8888
Financial Aid.....	(602) 286-8300
Institute for Computer Training (ICT) Lab.....	(602) 286-8565
Learning Center.....	(602) 286-8800
Library.....	(602) 286-8454
Phone Registration.....	(602) 286-8100
Student Activities/Clubs.....	(602) 286-8700
Veteran Services.....	(602) 286-8076