

# BA/BS MAJOR IN INDUSTRIAL HYGIENE

## Requirements for a Bachelor of Arts or Bachelor of Science Degree with a Major in Industrial Hygiene

Additional Graduation Requirements (<https://catalog.una.edu/undergraduate/academic-procedures-requirements/graduation-requirements>)

Code	Title	Hours
<b>General Education Component</b> ( <a href="https://catalog.una.edu/undergraduate/academic-procedures-requirements/general-education-component">https://catalog.una.edu/undergraduate/academic-procedures-requirements/general-education-component</a> )		
Area I (Written Composition)		6
Area II (Humanities and Fine Arts) <sup>1</sup>		12
Area III (Natural Science and Mathematics) <sup>2</sup>		11
Area IV (History, Social and Behavioral Science)		12
Area V ( <a href="https://www.una.edu/areav">https://www.una.edu/areav</a> )		
<b>Major Core Requirements in Industrial Hygiene</b>		
CH 111 & 111L	General Chemistry and General Chemistry Laboratory	4
CH 112 & 112L	General Chemistry and General Chemistry Laboratory	4
CH 311 & 311L	Organic Chemistry and Organic Chemistry Laboratory	5
CH 312 & 312L	Organic Chemistry and Organic Chemistry Laboratory	5
CH 321 & 321LW	Quantitative Analysis and Quantitative Analysis Laboratory	5
CH 322 & 322LW	Instrumental Analysis and Instrumental Analysis Laboratory	5
CH 341 & 341L	Applied Physical Chemistry and Applied Physical Chemistry Laboratory	4
CH 465	Environmental Regulations	3
IH 301	Occupational Safety and Health	3
IH 310 & 310L	Industrial Ergonomics and Physical Agents and Industrial Ergonomics and Physical Agents Laboratory	4
IH 311	Industrial Safety	3
IH 322	Industrial Hygiene Problems	3
IH 333	Industrial Toxicology	3
IH 422 & 422L	Control of Airborne Hazards and Control of Airborne Hazards Laboratory	4
IH 444 & 444L	Sampling Methods in Industrial Hygiene and Sampling Methods in Industrial Hygiene Laboratory	4
IH 490	Special Topics in Occupational Health and Safety	3
IH 494	Internship in Industrial Hyg	0
IH 496	Capstone Project in Industrial Hygiene	1
<b>Area V: Additional Requirements</b>		
BI 111	Principles of Biology	4

BI 241 & BI 242	Human Anatomy and Physiology I and Human Anatomy and Physiology II	8
BI 307	Microbiology	4
Select one from the following: <sup>3</sup>		3
CIS 125	Business Applications of Microcomputer Software	
CS 135	Computer Skills for Problem-Solving	
CS 155	Computer Science I	
Select one from the following sequences:		8-9
MA 112 & MA 121 & MA 122	Pre-Calculus Algebra and Calculus for Business and Life Sciences I and Calculus for Business and Life Sciences II	
MA 125 & MA 126	Calculus I and Calculus II	
MA 147	Elementary Statistics	3
PH 251 & PH 252	Technical Physics I and Technical Physics II	10
<b>Minor</b>		
A minor is not required for this major <sup>4</sup>		
<b>General Electives</b>		
If required, to bring total to 120		
Recommended Electives/Supplemental Courses:		
BI 407	Applied Bacteriology	
BI/CH 441	Biochemistry	
ES 375	Technology and the Environment	
IH 495	Senior Research/Internship	
Total Hours		104

<sup>1</sup> For BA degree, select six hours of a required foreign language at the introductory level.

<sup>2</sup> The eleven (11) hours of Natural Science and Mathematics requirement (Area III) of the General Education component will be completed within the major.

<sup>3</sup> Fulfills computer literacy requirement.

<sup>4</sup> Satisfactory completion of all requirements results in a second major in Chemistry - Option II (General Chemistry).