

# QUALITY ASSURANCE, BACHELOR OF SCIENCE

The Quality Assurance program is currently not accepting students into the Bachelor of Science in Quality Assurance (BSQA). For more information, please contact the Quality Assurance program office.

## Requirements

### Total Course Requirements for the Bachelor's Degree

See the "Requirements for the Bachelor's Degree (<https://catalog.csudh.edu/general-information/baccalaureate-degrees-undergraduate-studies/>)" in the University Catalog for complete details on general degree requirements. A minimum of 40 units, including those required for the major, must be upper division.

### Elective Requirements

Completion of elective courses (beyond the requirements listed below) to reach a total of a minimum of 120 units.

### General Education Requirements (49 units)

See the "General Education (<https://catalog.csudh.edu/general-education/>)" requirements in the University Catalog or the Class Schedule for the most current information on General Education requirements and course offerings.

### Graduation Writing Assessment Requirement

See the "Graduation Writing Assessment Requirement (<https://catalog.csudh.edu/general-information/baccalaureate-degrees-undergraduate-studies/gwar-certifying-courses/>)" in the University Catalog.

### Minor Requirements

Single field major, no minor required.

### Major Requirements (66 units)

#### Degree Requirements (66 units)

Code	Title	Hours
<b>Lower Division Requirements</b>		
BIO 102	General Biology	3
CHE 108	Introduction to College Chemistry	5
MAT 131	Elementary Statistics and Probability	3
MAT 153	Pre-Calculus with Trigonometry with Lab	4
PHY 120	Elements Of Physics I	4
PHY 122	Elements Of Physics II	4
QAS 200	Fundamentals of Quality	3
QAS 220	Fundamentals of Measurement Science	3
<b>Upper Division Requirements</b>		
QAS 312	Interpretation of Technical Documentation	3
QAS 325	Technical Communications	4
QAS 330	Statistical Quality Control and Inspection	3
QAS 331	The Manufacturing Process	3
QAS 335	Quality Auditing	3
QAS 355	Safety and Reliability	3
QAS 360	Fundamentals of Lean Manufacturing	3
QAS 427	Quality Improvement	3
QAS 445	Systems Failure Analysis	3

QAS 450	Value Based Quality	3
QAS 496	Internship in Quality Assurance	3
or QAS 498	Directed Research in Q.A.	
QAS 499	Senior Project	3
<b>Total Hours</b>		<b>66</b>

### Measurement Science Option (66 units)

Code	Title	Hours
<b>Lower Division Requirements</b>		
BIO 102	General Biology	3
CHE 108	Introduction to College Chemistry	5
MAT 131	Elementary Statistics and Probability	3
MAT 153	Pre-Calculus with Trigonometry with Lab	4
PHY 120	Elements Of Physics I	4
PHY 122	Elements Of Physics II	4
QAS 200	Fundamentals of Quality	3
QAS 220	Fundamentals of Measurement Science	3
<b>Upper Division Requirements</b>		
QAS 312	Interpretation of Technical Documentation	3
QAS 325	Technical Communications	4
QAS 330	Statistical Quality Control and Inspection	3
QAS 332	Electrical Metrology	3
QAS 340	Measurement Uncertainty	3
QAS 347	Dimensional Metrology	3
QAS 350	Physical Metrology	3
QAS 427	Quality Improvement	3
QAS 445	Systems Failure Analysis	3
QAS 450	Value Based Quality	3
QAS 496	Internship in Quality Assurance	3
or QAS 498	Directed Research in Q.A.	
QAS 499	Senior Project	3
<b>Total Hours</b>		<b>66</b>