PURDUE UNIVERSITY

Chemistry
College of Science

CHEM-BS
CHEM
120 Credits
2.0 GPA in CHM courses and 2.0 GPA overall

**Departmental/Program Major Courses (92-101 credits)**

**Required Major Courses** (63 credits)

| | | |
|---|---|---|
| _____ | (5)CHM12500 | Introduction to Chemistry I*(satisfies Science Selective for core)* |
| _____ | (5)CHM12600 | Introduction to Chemistry II |
| _____ | (3)CHM26505 | Organic Chemistry |
| _____ | (2)CHM26500 | Organic Chemistry Lab |
| _____ | (3)CHM26605 | Organic Chemistry |
| _____ | (2)CHM26600 | Organic Chemistry Lab |
| _____ | (4)CHM32100 | Analytical Chemistry I |
| _____ | (4)CHM24100 | Intro to Inorganic Chemistry |
| _____ | (3)CHM34200 | Inorganic Chemistry |
| _____ | (3)CHM37300 | Physical Chemistry |
| _____ | (3)CHM37400 | Physical Chemistry |
| _____ | (1)CHM37301 | Physical Chemistry Lab |
| _____ | (1)CHM37401 | Physical Chemistry Lab |
| _____ | (1)CHM19400 | Freshman Chemistry Seminar |
| ____ | (1) CHM 29400 | Sophomore Chemistry Seminar |
| _____ | (1)CHM49400 | |

| | | |
|---|---|---|
| _____ | (5)MA16100 | Plane Analytical Geometry Calculus I (satisfies *Quantitative Reasoning Selective* for core) |
| _____ | (5)MA16200 | Plane Analytical Geometry Calculus II |
| | (4)MA26100 | Multivariate Calculus |

| | | |
|---|---|---|
| _____ | | |
| _____ | (4)PHYS 17200 | Modern Mechanics (*satisfies Science Selective for core)* |
| _____ | (4)PHYS 27200 | Electricity and Magnetism (*satisfies Science Selective for core)* |

**Other Departmental /Program Course Requirements (29-38 credits)**

| | | |
|---|---|---|
| _____ | | |
| _____ | (4)ENGL10600 | *(satisfies Written Communication for core) (satisfies Information Literacy Selective for core)* |
| _____ | (3)COM21700 | *(satisfies Oral Communication for core)* |
| _____ | (0-3)Language1 | Selective LINK |
| _____ | (0-3)Language2 | Selective LINK |
| _____ | (0-3)Language_Culture3 | Selective (*select courses could satisfy Human Cultures Humanities for core.) LINK* |
| _____ | (3)GeneralEd1 | Selective (*select courses could satisfy Human Cultures Humanities for core)* LINK |
| _____ | (3)GeneralEd2 | Selective *(select courses could satisfy Human Cultures Humanities for core)* LINK |
| _____ | (3)GeneralEd3 | Selective (*select courses could satisfy Human Culture Behavioral/Social Science for core*) |
| _____ | (3)Great Issues | Selective LINK |
| _____ | (3)Multidisciplinary | Selective (*can be satisfied with a minor)* |
| _____ | (3)STAT30100or35000 | *(satisfies Information Literacy Selective for core)* |
| _____ | (3-4)CS158 or CS177 | *Computing* |

**Electives (19-28 credits)**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| _____ | ( ) _____ | ____ | ( ) _____ | ____ | ( ) _____ | ____ | ( ) _____ |
| _____ | ( ) _____ | ____ | ( ) _____ | ____ | ( ) _____ | ____ | ( ) _____ |

**University Core Requirements**

| | | | |
|---|---|---|---|
| *Human Cultures Humanities* | ☐ _____ | *Science, Technology & Society Selective* | ☐ _____ |
| *Human Cultures Behavioral/Social Science* | ☐ _____ | *Written Communication* | ☐ _____ |
| *Information Literacy* | ☐ _____ | *Oral Communication* | ☐ _____ |
| *Science Selective* | ☐ _____ | *Quantitative Reasoning* | ☐ _____ |
| *Science Selective* | ☐ _____ | | |

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**The student is ultimately responsible for knowing and completing all degree requirements.**

**Degree Works is knowledge source for specific requirements and completion**

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Revised 5/2013 (effective Fall 2013)

# Chemistry

**Suggested** Arrangement of Courses:

| Credits | Fall 1st Year | Prerequisite | Credits | Spring 1st Year | Prerequisite |
|---|---|---|---|---|---|
| 5 | CHM 12500* | | 5 | CHM 12600 | CHM 12500 |
| 5 | MA 16100 | ALEKS 85 | 5 | MA 16200 | MA 16100 |
| 4 | ENGL 10600* | | 3 | Language II ** | Lang 10100 |
| 1 | CHM 19400 | | 3 | Science, Technology and Society | |
| 3 | Language I** | | | | |
| | | | | | |
| **18** | | | **16** | | |

| Credits | Fall 2nd Year | Prerequisite | Credits | Spring 2nd Year | Prerequisite |
|---|---|---|---|---|---|
| 3 | CHM 26505 | CHM 12600 | 3 | CHM 26605 | CHM 26505 |
| 2 | CHM 26500 | CHM 12600 | 3 | CHM 26600 | CHM 26500 |
| 4 | MA 26100 | MA 16200 | 3 | COM 21700 | ENGL 10600 |
| 4 | PHYS 17200 | MA 16100 | 3 | PHYS 27200 | PHYS 17200 |
| 3 | General Education | | 3 | Free Elective | |
| **15** | | | 15 | | |

| Credits | Fall 3rd Year | Prerequisite | Credits | Spring 3rd Year | Prerequisite |
|---|---|---|---|---|---|
| 4 | CHM 32100 | CHM 12600 | 4 | CHM 24100 | CHM 12600 |
| 3 | STAT 30100* | | 4-3 | CS 17700 or CS 15800 | |
| 3 | General Education | | 3 | General Education ** | |
| 3 | Free elective | | 3 | Great Issues | Jr/Sr class |
| 2 | Free elective | | | | |
| | | | | | |
| **15** | | | **14** | | |

| Credits | Fall 4th Year | Prerequisite | Credits | Spring 4th Year | Prerequisite |
|---|---|---|---|---|---|
| 3 | CHM 37300 | PHYS 27200 | 3 | CHM 37400 | CHM 37300 |
| 1 | CHM 37301 | co-CHM 37300 | 1 | CHM 37401 | CHM 37301 |
| 3 | Multidisciplinary** | | 3 | CHM 34200 | CHM 37300 |
| 3 | Language and Culture | | 3 | Free elective | |
| 3 | Free elective | | 3 | Free elective | |
| | | | 1 | CHM 49400 | |
| **13** | | | **14** | | |

*Satisfies a University Core Requirement
**Satisfies a Non-departmental Major Course Requirement

Students must earn a "C-" or better in all required university core courses.
Students must earn a cumulative GPA of 2.0 in all CHM courses.
Students must have 32 credits at the 30000 level or above taken at Purdue.
**120 semester credits required for Bachelor of Science degree.**
**2.0 Graduation GPA required for Bachelor of Science degree.**

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