

Effective 2017-2018

**Ivy Tech Community College -  
Associate of Science in Chemistry TSAP (60 Credits)**

- \_\_ (3) ENGL 111 English Composition
- \_\_ (3) COMM 101 Fundamentals of Public Speaking
- \_\_ (5) CHEM 105 General Chemistry I
- \_\_ (1) IVYT 111 Student Success for University Transfer
- \_\_ (4) MATH 211 Brief Calculus
- \_\_ (3) ENGL 112 Exposition and Persuasion
- \_\_ (5) CHEM 106 General Chemistry
- \_\_ (4) MATH 212 Brief Calculus
- \_\_ (3) Social and Behavioral Ways of Knowing Elective
- \_\_ (5) CHEM 211 Organic Chemistry I
- \_\_ (5) PHYS 220 Mechanics
- \_\_ (3) CHEM 215 Quantitative Chemical Analysis
- \_\_ (3) Humanistic Ways of Knowing Elective
- \_\_ (5) CHEM 212 Organic Chemistry II
- \_\_ (5) PHYS 221 Heat, Electric, and Optics
- \_\_ (3) CHEM 279 Introduction to Scientific Research

**Purdue University Northwest - Program Major Courses (60 credits)**

- \_\_ (1) CHM 29400 Sophomore Seminar
- \_\_ (4) CHM 32100 Analytical Chemistry I
- \_\_ (3) CHM 33300 Biochemistry
- \_\_ (3) CHM 34200 Inorganic Chemistry
- \_\_ (1) CHM 34201 Inorganic Chemistry Laboratory
- \_\_ (3) CHM 37300 Physical Chemistry I
- \_\_ (3) CHM 37400 Physical Chemistry II
- \_\_ (2) CHM 37600 Physical Chemistry Laboratory
- \_\_ (4) CHM 42400 Analytical Chemistry II
- \_\_ (1) CHM 49400 Junior/Senior Seminar
- \_\_ (3) CHM 49800 Research in Chemistry
- \_\_ (2) SCI 22000 Health and Safety
- \_\_ (30) Free Electives\*

\*Choices for free electives include the following courses (3 credits each): 31800 (Biochemical NMR), 32400 (Environmental), 35000 (Coatings and Resins), 42500 (Molecular Modelling), 42800 (Catalysis), 46200 (Intermediate Organic), 46300 (Medicinal), 46400 (Polymers), 46500

(Synthetic Organic). Any additional courses of special interest to the student are satisfactory. At least 5 credits must be at or above the 30000 level.

\*\*Degree program completion requires 120 credit hours for a bachelor degree.