

# Academic Fact Sheet

Wayne State  
College

## CHEMISTRY HEALTH SCIENCE (CHLS) MEDICINE OPTION

The Health Science major is administered by the Physical Sciences and Math Department

### Facts about the Program

#### *Degrees Offered:*

B.S.

#### *Faculty:*

Todd Young, Ph.D.

David Peitz, Ph.D.

Mary Ettel, Ph.D.

### Special Offerings

Applicants may apply to virtually any school in the United States. Most apply to UNMC or Creighton University.

### Program Description

The CHLS program is designed to prepare students for medical school with the goal of becoming a physician or similar health professional.

### Career Opportunities

After completing this curriculum at WSC, students go on to medical school to become a physician, physician's assistant, or similar health profession. Opportunities for health professionals are still very good in most of the United States especially in rural areas of Nebraska, Kansas, Wyoming and the Dakotas.

### Scholarships and Financial Aid

Wayne State College is committed to providing a quality, affordable education for its students. There are several types of financial assistance available for Wayne State students, including grants, loans, work-study and scholarships. The aid packages are composed of money from Pell grants, SEOG grants, SSIG grants, Perkins loans, Stafford student loans, PLUS loans and a variety of scholarships. Contact the Financial Aid Office at (402) 375-7230 for further information.

Scholarships in the department include:  
W.G. Ingram Memorial Scholarship  
Louise Wendt Lundquist Memorial Scholarship  
Maier Science Scholarship

### For more information contact:

Physical Sciences and Math Department  
Wayne State College  
Wayne, NE 68787  
(402) 375-7329 or 1-800-228-9972  
preprof@wsc.edu  
www.wsc.edu

## CHEMISTRY HEALTH SCIENCE (CHLS) Medicine Option

Students must complete the listed coursework below in addition to meeting the general education requirements.  
(RHOP students must earn a B.S. degree from WSC prior to transfer to UNMC.)

### First Year

| <b>Fall</b> |     |                     |   | <b>Spring</b> |     |                      |   |
|-------------|-----|---------------------|---|---------------|-----|----------------------|---|
| BIO         | 110 | Biology Concepts    | 4 | CHE           | 107 | General Chemistry II | 4 |
| CHE         | 106 | General Chemistry I | 4 | MAT           | 140 | Calculus             | 5 |

### Second Year

| <b>Fall</b> |     |                      |   | <b>Spring</b> |     |                       |   |
|-------------|-----|----------------------|---|---------------|-----|-----------------------|---|
| BIO         | 220 | Human Anatomy        | 4 | BIO           | 340 | Human Physiology      | 4 |
| CHE         | 314 | Organic Chemistry I  | 4 | CHE           | 315 | Organic Chemistry II  | 4 |
| PHY         | 301 | University Physics I | 4 | PHY           | 302 | University Physics II | 4 |
| PHY         | 321 | Physics I Lab        | 1 | PHY           | 322 | Physics II lab        | 1 |

### Third Year

| <b>Fall</b> |     |                                  |   | <b>Spring</b> |     |              |   |
|-------------|-----|----------------------------------|---|---------------|-----|--------------|---|
| BIO         | 320 | Molecular Genetics               | 4 | BIO           | 385 | Microbiology | 4 |
| CHE         | 305 | Analytical Chemistry             | 4 | BIO           | 330 | Histology    | 4 |
| MAT         | 180 | Applied Probability & Statistics | 3 |               |     |              |   |

+End of 3rd year: MCAT

### Fourth Year

| <b>Fall</b> |     |                       |     | <b>Spring</b> |     |                 |   |
|-------------|-----|-----------------------|-----|---------------|-----|-----------------|---|
| CHE         | 326 | Biochemistry I        | 4   | BIO           | 386 | Immunology      | 2 |
| BIO         | 434 | Advanced Cell Biology | 3   | CHE           | 426 | Biochemistry II | 4 |
| *CHE        |     | Chemistry Elective    | 3-4 |               |     |                 |   |

#### NOTES:

\* Take one of the following: CHE 380, CHE 390, CHE 456