

PRE-DENTISTRY

Make people smile! That will be your job as a dentist. Or at least you'll make their smile shine brighter. To become a dentist, you'll start your path toward a dentistry degree by studying biology at Wayne State. You'll develop a broad understanding of anatomy and physiology, biological systems and structures, as well as some chemistry and physics. You can graduate with your undergraduate degree from WSC and then be ready for graduate work in dental school to earn your DDS degree.

Fast facts

Hours:

42-56 hours in the major
30 hours in general education

At least 120 hours are required for graduation from Wayne State College. You may add a second major, minor, or electives to help meet these requirements.

Degrees offered: This program is set up so you can receive your B.S. from Wayne State, then be ready to move on to graduate work at a professional dentistry school.

Department: Life Sciences

School: Science, Health, and Criminal Justice

Suggested program of study: Biology

Popular minors: Chemistry, Spanish, Business Administration

focus on results

Skills Learned

- Human anatomy and physiology
- Introductory zoology
- Evolutionary processes
- Biological systems and structures
- Experimental plant science
- Molecular genetics
- Microbiology
- Cellular biology
- General chemistry and physics
- Research, data collection, and analysis
- Modern lab techniques
- Critical thinking and problem-solving

Possible Careers

- Possible Careers
- Dentist
- Endodontist
- Orthodontist
- Pediatric dentist
- Oral surgeon
- Periodontist
- Prosthodontist
- Dental researcher
- Dental supply rep
- Dental health educator
- Program director
- Dental lab scientist

Types of Employers

- Types of Employers
- Dental clinics
- Orthodontist clinics
- Hospitals and medical clinics
- Community clinics
- University clinics
- Military
- Health departments
- Government / federal agencies
- Non-profit organizations
- Dental supply companies
- Dental publications
- Research labs

outside the classroom

Activities / Opportunities

- Conduct research projects
- Conferences and presentations
- Peer mentoring and tutoring
- Service-Learning
- Study Abroad

Clubs / Organizations

- Biology Club
- Health Science Club (Lambda Delta Lambda)
- Pre-Dental Club



Visit www.wsc.edu/clubs to learn more about clubs and organizations on campus.

Sample program of study

2020-21 Academic Year

Every effort is made to ensure this information is current, but please be aware that some content may have changed. There is no substitute for developing a careful course registration plan in consultation with your advisor. The class sequence listed is suggested only. The final decision rests with the student and academic advisor.

A minimum of 90 hours is required to apply to most dental schools; however the recent trend is that only students with a completed B.S. (or B.A.) degree have been accepted. So, students are strongly encouraged to work towards a major. The model below is a representation of a major in biology and shows only the minimum course expectations for UNMC. Participation in this pre-professional program at WSC does not guarantee acceptance at the selected institution for completion of the degree.

Freshman - 1st semester

BIO 110 Biology Concepts (General Studies CAT 7).....	4
CHE 106 Chemistry I	4
ENG 102 English Composition (General Studies CAT 1)	3
PSY 101 General Psychology (General Studies CAT 5).....	3

Freshman - 2nd semester

BIO 200 Zoology.....	4
CHE 107 General Chemistry II	4
CNA 100 Principles of Human Communication (General Studies CAT 2).....	3
*ENG 200 Expository Writing	3
Elective.....	3

Sophomore - 3rd semester

**BIO 104 Environmental Concerns (General Studies CAT 10).....	3
BIO 220 Human Anatomy.....	4
CHE 314 Organic Chemistry I.....	4
PGH 200 Introduction to Global Health (General Studies CAT 9).....	3
POS 110 American National Government (General Studies CAT 8)	3

Sophomore - 4th semester

ART 102 Visual Arts Experience (General Studies CAT 4)	3
BIO 210 Experimental Plant Science.....	4
CHE 315 Organic Chemistry II.....	4
ENG 150 Topics in Literature (General Studies CAT 6).....	3
MAT 180 Applied Probability and Statistics (General Studies CAT 3)..	3

Junior - 5th semester

BIO 301 Biology Seminar	1
BIO 320 Molecular Genetics.....	4
PHY 201 General Physics I	3
PHY 321 Physics Lab I	1
Electives.....	6

Junior - 6th semester

#BIO 340 Human Physiology.....	4
BIO 370 Intro to Research	2
**#BIO 486 Immunology.....	3
PHY 202 General Physics II	3
PHY 322 Physics Lab II	1

Senior - 7th semester

BIO 397 Biology Internship.....	1
BIO 434 Advanced Cellular Biology	3
#CHE 326 Biochemistry I.....	4
Electives.....	6

Senior - 8th semester

BIO 330 Histology.....	4
BIO 425 Evolution.....	3
BIO 469 Senior Seminar.....	1
Electives.....	6

Elective courses suggested but not required include:

BIO 385 Microbiology	4
BUS 142 Survey of Accounting.....	3
BUS 222 Business Law.....	3
CHE 426 Biochemistry II.....	3

*Required for many dental programs - check with the school of your intended enrollment

**Recommended but not required

Serves as biology upper level elective

pre-dentistry faculty

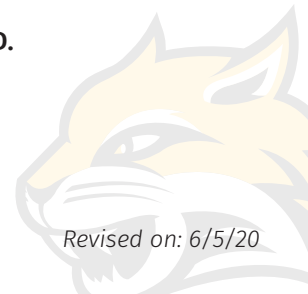


Visit www.wsc.edu/life-sciences
to learn more about the
Department of Life Sciences.

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Revised on: 6/5/20