

Pre-Medical and Pre-Dental Recommended Courses

The following courses are recommended for students pursuing medical or dental school. It is the student's responsibility to verify prerequisite courses and application requirements with the school you are planning to attend. Contact each school directly for more information. Information may change without notice.

***Science sequences should be completed at the same college or the sequence may not count upon transfer.**

TYPE OF COURSE	SPECIFIC COURSE	CREDITS
ENGLISH	ENGL&101 – English Composition I ENGL&102 – English Composition II	10 credits
MATH – Calculus and Statistics <i>MATH&151 Prereq: MATH&142, 2.5 or higher</i> <i>MATH&146 Prereq: MATH098, 2.5 or higher</i>	MATH&151 – Calculus I MATH&152 – Calculus II (Recommended) MATH&146 – Elementary Statistics	10 credits
CHEMISTRY – General Chemistry <i>Prereq: CHEM&139 and MATH 098, 2.0 or higher</i>	CHEM&161 – General Chemistry with Lab I CHEM&162 – General Chemistry with Lab II CHEM&163 – General Chemistry with Lab III	15 credits
CHEMISTRY – Organic Chemistry <i>Prereq: 1 yr of General Chemistry</i>	CHEM&241 – Organic Chemistry I CHEM&242 and CHEM&251 – Organic Chemistry II and Lab CHEM&243 and CHEM&252 – Organic Chemistry III and Lab	20 credits
CHEMISTRY – Biochemistry <i>Prereq: CHEM&243, 2.0 or better AND one quarter college biology (160 or 211)</i>	CHEM255 – Biochemistry I CHEM256 – Biochemistry II * Not currently a UW pre-requisite, but highly recommended for MCAT preparation *	6 credits
BIOLOGY – College Biology <i>Prereq: 1 qtr of college chemistry, 2.0 or higher</i>	BIOL&211 – Majors Cellular Biology BIOL&212 – Majors Animal Biology BIOL&213 – Majors Plant Biology	15 credits
PHYSICS <i>Prerequisites: MATH 098, 2.0 or higher</i> ----- <i>Prerequisites: MATH&151, 2.0 or higher and PHYS&114 or high school algebra-based Physics</i>	PHYS&114 – General Physics I PHYS&115 – General Physics II PHYS&116 – General Physics III <u>OR</u> PHYS&221 – Engineering Physics I PHYS&222 – Engineering Physics II (<i>Prereq: MATH&152</i>) PHYS&223 – Engineering Physics III (<i>Prereq: MATH&152</i>)	15 credits
General Education – Visual, Literary and Performing Arts (Humanities) and Individuals, Cultures and Societies (Social Sciences)	It is recommended to include at least two literature courses in your VLPA requirements to prepare for the MCAT reading skills analysis. Some medical schools require three quarters of English for admission. Intro to Sociology and Intro to Psychology are recommended. It is also recommended to take a class that focuses on diversity and/or an understanding of the human condition.	Varies according to university and associate degree requirements

Guidelines for NSC Transfer Students

While at the community college, you are strongly encouraged to:

- Complete math through precalculus. A first quarter calculus course and statistics course are recommended. If your transfer major requires additional math, complete as many math courses as possible before transferring.
- Complete the one-year general chemistry sequence.
- Complete at least one additional science sequence, preferably two (organic chemistry, biology, or physics depending on your choice of major and availability).
- If you take all of your science requirements at a two-year college, you will need to take upper division science courses at the university. Medical schools need to evaluate your performance in science courses at both the four-year institution and the two-year college.
- Pre-medicine is not an undergraduate major but rather a suggested program of study that prepares you to apply to medical school after you receive your bachelor's degree.
- You are not expected to complete all of the prerequisites before you transfer to the university. Your choice of major does not affect your chances of admission to a professional program, as long as you are fulfilling appropriate prerequisites. Choose a major you enjoy and one in which you will perform well.
- Keep up to date with the changes in the MCAT by visiting the Association of American Medical Colleges (search for MCAT). www.aamc.org

Helpful websites

- Pre-health Advising at the University of Washington:
<https://careers.uw.edu/pre-health/>
- American Medical Association: www.ama-assn.org
- Association of American Medical Colleges: www.aamc.org
- American Medical Student Association: www.amsa.org
- American Dental Association: <http://www.ada.org/>
- The American Dental Education Association: <http://www.adea.org/Pages/default.aspx>
- WSU Pre-Dental page: <https://healthprofessions.wsu.edu/preparation-tracks/pre-dentistry/>
- Preparing for Medical School <https://www.ama-assn.org/residents-students/preparing-medical-school>
- American Association of Medical Colleges
<https://students-residents.aamc.org/applying-medical-school/preparing-med-school/>
- American Association of Family Physicians
<https://www.aafp.org/medical-school-residency/premed/getting-into-med-school.html>
- Accredited Medical Schools (US and Canada)
https://www.abmsdirectory.com>pdf>Resources_directory_MedSchools
- **Medical School Preparation Timeline** –UC Berkeley Career Center
<https://career.berkeley.edu/Medical/PrepAcad>

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