



**College of Science and Mathematics**  
**PRE-MEDICAL STUDIES – CORE CURRICULUM**  
*Post-Baccalaureate Certificate Program*

**Wright States University's Pre-Health Program** offers the highly motivated, dedicated student intent on a career in medicine, dentistry, veterinary medicine, or other related profession a Post-Baccalaureate Certificate in Pre-Medical Studies. The certificate program provides the opportunity to study the sciences and prepare for entrance into competitive professional programs in the health sciences.

**CORE Studies:** Designed for the "Career Changer" who has a bachelor's degree with little or no previous coursework in the sciences, an excellent academic record and a clear understanding of the chosen healthcare profession. The curriculum requires the completion of 60 semester hours of general and advanced sciences, and multicultural electives.

**Admission Requirements:** To enter the program, a completed certificate application and transcript(s) from a regionally accredited university must be sent for review by the Pre-Health Advising Office. Applicants will be interviewed by the program director and assisted in developing a course of study. Successful Applicants will have certain qualities, including:

- An overall GPA of 3.0 in the last 90 semester hours or overall
- Previous exposure to the profession through volunteer work, shadowing or employment in a related field
- Demonstrated ability and work ethic to succeed academically
- Self-awareness, self-motivation and independence

**Special Program Features:**

- Personalized, one-on-one advising and support
- Customized program of study to meet requirements of specific health professional schools
- Volunteer and research opportunities
- Comprehensive letter of recommendation written by the Director of Pre-Health Program for those who complete the program
- Certificate of Completion awarded with successful completion of the program
- Applicants may pursue the certificate on a full-or part-time basis

**Certificate Requirements:**

<p><b>Required Courses (18 Hours)</b>          BIO 1120 (4) Cells &amp; Genes w/Lab          BIO 1150 (4) Organisms &amp; Ecosystems w/Lab          CHM 1210/1210L (5) General Chemistry I w/Lab          CHM 1220/1220L (5) General Chemistry II w/Lab</p>	<p><b>Advanced Science Electives (30 Hours)</b>          CHM 2110/2110L (5) Organic Chemistry I w/Lab          CHM 2120/2120L (5) Organic Chemistry II w/Lab          PHY 1110/L (5) Principles of Physics I          PHY 1120/L (5) Principles of Physics II          STT 2640 (4) Elem. Statistics or STT 1600 (4) Statistical Conc.          MTH 2240 (4) Applied Calculus or MTH 2300 (4) Calculus I          PSY 3410 (3) Lifespan Development          PSY 3110 (3) Abnormal Psychology          ANT 3100 (4) Human Structure &amp; Function I          ANT 3120 (4) Human Structure &amp; Function II          BIO 3100/3110 (5) Clinical Microbiology          BMB 4001 (3) Found. of Biochemistry &amp; Molecular Biology          BMB 4210 (3) Biochemistry I          BMB 4230 (3) Biochemistry II          BIO 4430 (5) Histology          CHM 3120 (5) Analytical Chemistry          BIO 2200 (4) Microbiology &amp; Human Environment          M&amp;I 4260 (3) Immunology          M&amp;I 4310 (3) Virology</p>
<p><b>Cultural Competency Related Courses (6 Hours)</b>          AFS 2000 (3) African American Experience          ATH 2500 (3) Anthropology          ATH 4210 (3) Biomedical Anthropology          COM 1040 (3) Human Communication          COM 4250 (3) Intercultural Communication          PHL 3000 (3) Critical Thinking          PHL 3780 (3) Bioethics          PSY 3510 (3) Social Psychology          SOC 3600 (3) Social Inequality          SOC 3610 (3) Sociology of Gender          SOC 3620 (3) Race &amp; Ethnicity          SOC 3810 (3) Medical Sociology          WMS 2000 (3) Intro to Sexuality Studies</p>	
<p><b>General WSU Electives (6 hours):</b> General electives from any department that generates college credits.</p>	

