

College of Science and Mathematics

PRE-MEDICAL STUDIES - ADVANCED 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.

The ADVANCED Studies is designed for the student who have completed the basic sciences and desire to complete additional advanced science courses to strengthen their science G.P.A.s and knowledge within the biomedical sciences. The curriculum requires the completion of 30 semester hours (23 at WSU) of 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-Professional Health Program. 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 healthcare profession experience through volunteer work, shadowing or employment;
- 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:

(6 credit hours required) ANT 3100 (4) Human Structure & Function I ANT 3120 (4) Human Structure & Function II BMB 4210 (3) Biochemistry I BMB 4230 (3) Biochemistry II Advanced Science Electives (10 credit hours required) BIO 2110 (3) Genetics BIO 2120 (3) Cell Biology BIO 3100 (5) Clinical Microbiology w/ lab BIO 4430 (5) Histology CHM 3120 (5) Analytical Chemistry M&I 4260 (3) Immunology MXI 4240 (4) Applied Calculus or MTH 2300 (4) Calculus I STT 2640 (4) Elem. Statistics or STT 1600 (4) Statistical Conc.	Required Courses	Cultural Competency Related Courses				
ANT 3120 (4) Human Structure & Function II BMB 4210 (3) Biochemistry I BMB 4230 (3) Biochemistry II Advanced Science Electives (10 credit hours required) BIO 2110 (3) Genetics BIO 2120 (3) Cell Biology BIO 3100 (5) Clinical Microbiology w/ lab BIO 4430 (5) Histology CHM 3120 (5) Analytical Chemistry M&I 4260 (3) Immunology MXI 4310 (3) Virology MTH 2240 (4) Applied Calculus or MTH 2300 (4) Calculus I 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 & Ethnicity SOC 3810 (3) Medical Sociology WMS 2000 (3) Intro to Sexuality Studies	(14 credit hours required)	(6 credit hours required)				
BMB 4210 (3) Biochemistry I BMB 4230 (3) Biochemistry II Advanced Science Electives (10 credit hours required) BIO 2110 (3) Genetics BIO 2120 (3) Cell Biology BIO 3100 (5) Clinical Microbiology w/ lab BIO 4430 (5) Histology CHM 3120 (5) Analytical Chemistry M&I 4260 (3) Immunology M&I 4310 (3) Virology MTH 2240 (4) Applied Calculus or MTH 2300 (4) Calculus I ATH 4210 (3) Biomedical Anthropology COM 1040 (3) Human Communication COM 4250 (3) Intercultural Communication PHL 3780 (3) Bioethics PSY 3510 (3) Social Psychology SOC 3600 (3) Social Inequality SOC 3610 (3) Sociology of Gender SOC 3620 (3) Race & Ethnicity SOC 3810 (3) Medical Sociology WMS 2000 (3) Intro to Sexuality Studies	ANT 3100 (4) Human Structure & Function I	AFS 2000 (3) African American Experience				
BMB 4230 (3) Biochemistry II Advanced Science Electives (10 credit hours required) BIO 2110 (3) Genetics BIO 2120 (3) Cell Biology BIO 3100 (5) Clinical Microbiology w/ lab BIO 4430 (5) Histology CHM 3120 (5) Analytical Chemistry M&I 4260 (3) Immunology M&I 4310 (3) Virology MTH 2240 (4) Applied Calculus or MTH 2300 (4) Calculus I	ANT 3120 (4) Human Structure & Function II	ATH 2500 (3) Anthropology				
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511 2040 (4) Elem. Statistics of 511 1000 (4) Statistical Conc.	(10 credit hours required) BIO 2110 (3) Genetics BIO 2120 (3) Cell Biology BIO 3100 (5) Clinical Microbiology w/ lab BIO 4430 (5) Histology CHM 3120 (5) Analytical Chemistry M&I 4260 (3) Immunology M&I 4310 (3) Virology MTH 2240 (4) Applied Calculus or MTH 2300 (4) Calculus I	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 & Ethnicity SOC 3810 (3) Medical Sociology				
	511 2040 (4) Elem. Statistics of 511 1600 (4) Statistical Conc.					

General WSU Electives (6 hours): General electives from any department that generates college credits.

CERTFICATE COMPLETITION WORKSHEET

Name:					UID:					
Intended Sem. Start: Expected Completion:										
 Please reading the following: Please save evaluation for future reference A grade of "C" or better must be earned in each course used to satisfy these course requirements. To satisfy course requirements, required and advanced science elective coursework must have been completed within the last 10 years. At least 23 credits of the requirements must be earned at Wright State University. 										
Required Courses: Needs: 14 credit hours										
Anatomy ar Course # ANT 3100	Course Title Human Struc/Func I	Cr 4	Grade	Lab? Y or N	Repeated?	Date Completed	Date to be Completed	Institution		
ANT 3120	Human Struc/Func II	4								
BMB 4210 BMB 4230	ry & Molecular Biology Biochem & Mol. Bio I Biochem & Mol. Bio II	3								
Advanced S Course #	cience Electives: Needs 10 c	1								
Course #	Course Title	Cr	Grade	Lab? Y or N	Repeated?	Date Completed	Date to be Completed	Institution		
Cultural Cor	mpetency – Related Cour	se R	equiren	nents: ı	Needs: 3 cred	it hours - Cour	se options list	ed on page 1		
Course #	Course Title	Cr	Grade	Lab? Y or N	Repeated?	Date Completed	Date to be Completed	Institution		
	General Electiv	es: ı				otions listed or	page 1			
Course #	Course Title	Cr	Grade	Lab? Y or N	Repeated?	Date Completed	Date to be Completed	Institution		