

Pre-Med

Provided by Mrs. Kimberly Ruit, Health Sciences Advisor, UND College of Arts and Sciences, March 2010

Pre-Med is not a major and does not lead to a degree from UND! In order to graduate with a degree from UND, students must:

1. Choose a **Major** and complete the specific requirements determined by the department responsible for that major
2. Complete the **Essential Studies Requirements**
3. Complete 125 semester credits (36 of which must be upper divisional credits)

In order to **join** the Pre-Med Program at UND, freshmen students (planning to finish in 4 years) must:

1. Officially declare Pre-Med in the main office of the College of Arts and Sciences (Montgomery Hall 125)
2. Activate and use UND e-mail account (make sure Campus Connection lists the UND e-mail as the primary e-mail account)
3. Attend all freshmen group advising meetings during fall semester
4. Attend one freshmen group advising meeting during spring semester
5. Complete the following courses, with a C grade or better, before the start of sophomore year:
 - Bio 150-151, with labs
 - Math 103 (may test out of this with an ACT Math score of 26, or UND Math ALG Test score of 18)
 - Chem 121-122, with labs
6. Maintain a cumulative GPA of 3.0 or higher
7. Visit with their major advisor

In order to **stay** in the Pre-Med Program at UND, students must:

1. Complete the prerequisites for Med school(s) as advised
2. Maintain a competitive cumulative GPA (3.0 minimum)
3. Take the MCAT
4. Visit with the Health Sciences Advisor regularly
5. Visit with their major advisor regularly

Summary:

Major	GPA	Entrance Test	Letters of Recommend	Relevant Life Exp	WICHE Apply for in jr year
Any – most med schools require a degree	3.65 - 3.80	Computerized MCAT– take in late spring/early summer after junior year	Required	Needed	Available for residents of MT and WY

Suggested Pre-Med Schedule:

	Freshman	Sophomore**	Junior	Senior
Fall	Bio 150, 150L Chem 121, 121L Math 103 *Electives from Group 1	Organic Chem 341, 341L *Electives from Group 1 or 2	Physics 211, 211L Bio 315 (Genetics)*** *Electives from Group 2 or 3	*Electives from Group 2, 3 or 4
Spring	Bio 151, 151L Chem 122, 122L Math 146 (?) *Electives from Group 1	Organic Chem 342, 342L *Electives from Group 1 or 2	Physics 212, 212L Biochem 301 *Electives from Group 2 or 3	*Electives from Group 2, 3 or 4
Summer			MT, WY WICHE Forms Due (Complete over Spring Break) MCAT (1 st one by June 15 th) Med School Apps Due (Primary AMCAS by July 30 th) (UNDSMHS by Nov 1 st)	

*Electives

Group 1: Eng 110, 120 or 125, Psych 111, Comm 110, Foreign Language 101 & 102 (if required by major)

Group 2 (Science): Anatomy 204, a Physio class (either PPT 301 or Bio 442), Cell Bio (Bio 341), Microbio 302, Medical Terminology (Med 205)

Group 2 (Non-Science): Nutrition 240, Anthropology, Business, English Lit, History, Political Science, Psych Stats (Psych 241), Sociology

Group 3: Developmental Biology (Bio 378), Molecular Biology Techniques (Bio 410), Parasitology (Bio 364), Chem 333

Group 4: Histology (Bio 369), Neuroscience (Bio 420), Molecular Genetics (Bio 450), Molecular Biology of the Cell (Bio 460)

**Please note: Bio majors will need the following additional required classes as sophomores: Genetics, Ecology, Cell Biology, Evolution
Chem majors will need the following additional required classes as sophomores: Physics 211 & 212, Chem 333

***Bio 315 (Genetics) is not required for medical schools but is recommended preparation for the MCAT – should be taken in the sophomore year if a student is a biology major