

ONE PAGER BRIEF SUMMARY OF PRE MED ADVISING INFO*

PRE-MED - is NOT a major, or degree program at TCNJ. It's just a series of preparatory classes

PRE-MED PREPARATION: (**BE SURE TO SEE MUCH MORE INFORMATION AT MCAC.TCNJ.EDU!*)

Academic: Required Coursework for MD or DO degree programs:

- Standard (students - be sure to check that you meet the prerequisites for these courses)
 - 2 semesters of Biology with laboratory: **BIO 201 and BIO 211**
 - **Note: BIO 201 is open to non-Bio-majors in the spring, and 211 is open to non-majors in the fall**
 - 2 semesters of Inorganic Chemistry with laboratory: **CHE 201 and CHE 202**
 - 2 semesters of Organic Chemistry with laboratory: **CHE 331 and CHE 332**
 - 2 semesters of Physics with laboratory: **PHY 201 and PHY 202**
(Most programs do not require calculus based physics)
- Students' grades in these courses are important: aim for a STEM/Overall GPA of 3.6+
- Other degree programs (DDS, DPM, OD, PA, etc) require many (but not all) of the same courses
- Most medical schools also require:
 - 2 semesters of English or writing intensive courses (any TCNJ major covers this)
 - 1-2 semesters of Math: MAT 127 and STA 215 (or MAT 128)*
 - Non-STEM majors need to address this
- Other considerations
 - Courses have prerequisites: Examples: MAT 127, CHE 201
 - Recommended: Biochem, genetics, Psych/Soc, public health, microbiology, advanced courses, etc.
 - Requirements will vary for MD, DO, dental, optometry, PA, etc.
- Aim for strongly competitive score on the standardized test: MCAT (512+), DAT (20+), OAT (330+)

Other Requirements and Considerations:

- **Experience** with patients
 - Shadowing, direct patient contact, volunteering, CNA, EMT, etc.
- **Service** - demonstrated service to others
 - Long term commitments, working toward the greater good, priorities
- **Letters**
 - Present honest assessments of student's aptitude, attitude, reliability, dependability, social skills, teamwork, communication, skill building, ethics
- **Other**
 - First generation, ESL, significant work / service / performance, etc.
 - Any red flags: disciplinary action, student code of conduct, academic integrity
- Keep in mind these "**AAMC Core Competencies**" which every student should be able to demonstrate:
 - **Interpersonal Competencies (expressed via experience and letters)**
 - Service Orientation ◇ Social Skills
 - Cultural Competence ◇ Teamwork
 - Oral Communication
 - **Intrapersonal Competencies (experience, letters, essay)**
 - Ethical Responsibility to Self and Others
 - Reliability and Dependability
 - Resilience and Adaptability
 - Capacity for Improvement
 - **Thinking and Reasoning Competencies (MCAT, GPA, coursework)**
 - Critical Thinking ◇ Quantitative Reasoning
 - Scientific Inquiry ◇ Written Communication
 - **Science Competencies (MCAT, GPA, coursework)**
 - Living Systems
 - Human Behavior