Qualified applicants who are accepted into the Rensselaer-Albany Medical College seven-year program will benefit from a unique science-based program built upon the rich tradition of Rensselaer’s 190 years of technological innovation and Albany Medical College’s tradition of leadership in health-care research. While research is the cornerstone of the program, we offer a well-rounded perspective that prepares future practitioners and physician-scientists to perform with confidence and care in a technologically changing environment.

Research that is initiated in the spring of the third year continues through the summer before and the summer following the first year at Albany Medical College (approximately 8 months in the laboratory). During this time, students will also take a course in the principles of research and one in translational research. At this point, students are uniquely positioned to continue their research projects through elective time and graduate with an M.D. Degree With Distinction in Research.

The comprehensive nature of the program prepares students for careers in medical research and instills an end-to-end knowledge of clinical research and patient care. A solid knowledge of scientific research allows a physician-scientist to comprehensively understand the tools with which s/he works in the diagnosis and treatment of patients as well as to contribute to the innovations that will become a part of medicine in the future.

The Albany Medical College curriculum recognizes the new demands that the health environment will require in the next decade and prepares graduates for this reality.

**AN INTEGRATED APPROACH**

An integrated approach using organ systems for learning the basic sciences is used to demonstrate the relationship between scientific knowledge and clinical problem solving. Students study case presentations and see patients throughout all four years of medical school with intensive and broad-based clinical experience during the third and fourth years of medical school. In addition, three innovative courses assure that students are prepared for a patient-centered professional career:

- **Health, Care, and Society** introduces students to psychological, humanistic, ethical, and legal aspects of care.
- **Comprehensive Care Case Study** emphasizes managed care, the health care system, and prepares students for life-long learning.
- **Clinical Skills Laboratory** teaches patient interviewing skills, physical diagnostic skills, routine medical procedures, and clinical laboratory tests.
ACCELERATED MEDICAL CLASS

The class entering Rensselaer Polytechnic Institute each year is selected from a pool of more than 550 applicants. After careful review of applications at Rensselaer Polytechnic Institute and Albany Medical College, students are selected for further review and are interviewed at the medical college. Academically, most applicants invited for an interview have combined critical reading and math SAT scores of 1425 or greater (on the 1600 scale).

More detailed examination of the group of exceptional and promising young men and women beginning their first year of studies at Rensselaer in a recent class shows that their combined critical reading and math SAT scores averaged 1471. Of equal importance to their demonstrated academic ability is their distinctly superior level of maturity and motivation.

For more information, you may write us:
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ACCELERATED PHYSICIAN-SCIENTIST PROGRAM

CURRICULUM

YEAR I

FALL
Calculus I
Chemistry I
Introduction to Biology
Introduction to Biological Lab
Mathematics, Arts, & Social Sciences

SPRING
Calculus II
Chemistry II
Introduction to Cell & Molecular Biology
Humanities, Arts, & Social Sciences

YEAR II

FALL
Organic Chemistry I
Organic Chemistry Lab I
Mathematics, Arts, & Social Sciences

SPRING
Organic Chemistry II
Organic Chemistry Lab II
Mathematics, Arts, & Social Sciences

YEAR III

FALL
Molecular Biochemistry I
Human Physiology
Humanities, Arts, & Social Sciences
Elective

SPRING
Developmental Biology
From Neuron to Behavior
Seminars in Developmental Biology
Research
Biomedical Research
Humanities, Arts, & Social Sciences

YEAR IV (cont.)

Gastrointestinal System I
Reproduction and Integrative Metabolism
Health, Care, and Society I
Evidence Based Healthcare
Clinical Skills I
Nutrition I
LaGrange Medical Informatics

YEAR V (cont.)

Neuro Sciences II
Integument, Musculoskeletal System II
Psychobiology and Behavior Pathology
Reproductive System II
Health, Care, and Society II
Evidence Based Healthcare
Clinical Skills II
Nutrition II
LaGrange Medical Informatics II

YEAR VI & VII

Clinical Studies
*Studies continue at Albany Medical College

Rensselaer Polytechnic Institute complies with all federal, state, and local nondiscrimination laws and provides equal opportunities for all persons regardless of race, color, religion, sex, sexual orientation, gender identity, gender expression, age, marital status, national origin, citizenship status, disability, military status, veteran status, or any other basis prohibited by law.

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