

## School of Medicine and Dentistry - Overall Educational Objectives

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The curriculum is designed for students to acquire all the elements of a general medical education, providing them with strong foundations in the natural and social sciences basic to medicine, as well as professional attitudes and clinical skill - all with a focus on launching a lifetime of continued learning. You can learn more about our Mission and Objectives.

### Objectives

The objectives of the M.D. curriculum at the University of Rochester School of Medicine and Dentistry are:

#### Knowledge

##### **Natural and Social Sciences:**

- Understand normal human structure, function, and development from molecular through cellular, organ system, and whole person levels. (K-NSS-1)
- Understand psychological, interpersonal, family, cultural, societal, and environmental determinants of health and illness, and their application to the care of diverse individuals and populations. (K-NSS-2)

##### **Diseases:**

- Understand disease processes that lead to or are caused by alterations in human structure and function, including their epidemiology, etiology, pathogenesis and pathology. (K-D-1)

##### **Treatments:**

- Understand the scientific principles underlying rational approaches to health maintenance and preventive screening. (K-T-1)
- Understand the scientific principles underlying rational approaches to therapeutic, rehabilitative, and palliative interventions. (K-T-2)

##### **Systems of Care:**

- Understand the frameworks within which health care is provided at global, national and local levels. (K-SC-1)
- Understand the principles underlying approaches to improving patient care quality, safety, and cost-effectiveness. (K-SC-2)

#### Skills

##### **Patient Evaluation:**

- Demonstrate under direct observation the ability to evaluate patients, including history and examination skills. (S-PE-1)
- Demonstrate the selection and interpretation of diagnostic tests. (S-PE-2)

##### **Communication:**

- Demonstrate the ability to listen empathically, teach, communicate and collaborate effectively with diverse patients and families. (S-C-1)
- Demonstrate the ability to communicate and collaborate effectively with the inter-professional health care team. (S-C-2)

- Demonstrate the ability to communicate and collaborate effectively with the community. (S-C-3)

### **Clinical Reasoning and Management:**

- Demonstrate the ability to appropriately retrieve, appraise and apply evidence and the scientific method to patient formulation, differential diagnosis and clinical decision- making and integrate electronic information systems into these activities (S-CRM-1)

## **Attitudes and Behaviors**

### **Professionalism and Humanism:**

- Demonstrate the exemplary attitudes and humanistic behaviors expected of physicians, including integrity, reliability, compassion, accountability, ethical conduct and reasoning, selfless advocacy for patient and population health and appropriate management of potential conflicts of interest. (AB-PH-1)

### **Improvement and Self-care:**

- Demonstrate a commitment to lifelong learning, maintaining one's own health and well-being, and improving individual practice and systems of care. (AB-IS-1)