

# MedQuest 2016 Curriculum

Unit Name <i>Educational Outcome</i>	Components Learning Objectives	Total Duration	VT Graduation Proficiency - Transferable Skills	National Health Science Standards
<p><b>Health Career Exploration</b></p> <p><i>Explore a variety of careers and work settings in health care.</i></p>	<ol style="list-style-type: none"> <li>1. <b>“Why a Health Career?” Workshop:</b> explain the wide variety of opportunities in health care.</li> <li>2. <b>Job Shadow Preparation:</b> explain the purpose and expectations of a job shadow.</li> <li>3. <b>Job Shadow Experiences:</b> evaluate the suitability of occupations and work environments by observing health professionals in four separate facilities</li> <li>4. <b>Daily Reflection:</b> apply the Experiential Learning Cycle framework to identify learning and next steps.</li> <li>5. <b>Health Careers Exploration Online:</b> use credible web sites and resources to continue exploration, including LiFT.</li> <li>6. <b>Clinical Simulations:</b> <ol style="list-style-type: none"> <li>a. <i>Disease outbreak:</i> describe the personal protective equipment (PPE) and infection control (IC) procedures used by hospitals.</li> <li>b. <i>Suturing Workshop:</i> apply skills used in suturing on a simulated patient.</li> <li>c. <i>Laparoscopic surgery:</i> apply skills used in laparoscopic surgery in a video simulation.</li> </ol> </li> </ol>	21 hours	<p><b>Self-Direction:</b></p> <ol style="list-style-type: none"> <li>a. Identify, manage, and assess new opportunities related to learning goals.</li> <li>b. Integrate knowledge from a variety of sources to set goals and make informed decisions.</li> <li>d. Demonstrate initiative and responsibility for learning.</li> </ol> <p><b>Informed and Integrative Thinking:</b></p> <ol style="list-style-type: none"> <li>a. Apply knowledge from various disciplines and contexts to real life situations.</li> <li>b. Analyze, evaluate, and synthesize information from multiple sources to build on knowledge.</li> </ol>	<p><b>Employability Skills:</b></p> <p>4.31. Research levels of education, credentialing requirements, and employment trends in health professions.</p> <p>4.32. Distinguish differences among careers within health science pathways (diagnostic services, therapeutic services, health informatics, support services, or biotechnology research and development).</p>

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<b>Teamwork</b>  <i>Develop skills necessary for functioning as a member of a health care delivery team.</i>	<ol style="list-style-type: none"> <li><b>Team Building:</b> create social cohesion &amp; build communication skills.</li> <li><b>Team Function:</b> test and create methods for solving complex problems as a team.</li> </ol>	3 hours	<b>Clear and Effective Communication:</b> <ol style="list-style-type: none"> <li>Integrate information gathered from active speaking and listening.</li> <li>Adjust communication based on the audience, context and purpose.</li> </ol>	<b>Teamwork:</b> 8.12. Identify characteristics of effective teams.
<b>Patient Care</b>  <i>Develop skills and knowledge required for delivering quality patient care.</i>	<ol style="list-style-type: none"> <li><b>Vitals Lab:</b> apply procedures for measuring and recording vital signs, including normal ranges</li> <li><b>CPR / AED Training:</b> Heartsaver® certification.</li> <li><b>Patient Privacy and HIPAA (Health Information Portability and Accountability Act):</b> recognize situations in which patient privacy considerations apply.</li> </ol>	5.5 hours	<b>Responsible and Involved Citizenship:</b> <ol style="list-style-type: none"> <li>Demonstrate ethical behavior and the moral courage to sustain it.</li> <li>Demonstrate a commitment to personal and community health and wellness.</li> </ol>	<b>Technical Skills:</b> 10.11 Apply procedures for measuring and recording vital signs including the normal ranges (temperature, pulse, respirations, blood pressure, pain). 10.12 Obtain training or certification in cardiopulmonary resuscitation (CPR), automated external defibrillator (AED), foreign body airway obstruction (FBAO) and first aid.  <b>Legal Responsibilities:</b> 5.21 Apply standards for the safety, privacy and confidentiality of health information (HIPAA, privileged communication).
<b>Anatomy &amp; Physiology</b>  <i>Gain knowledge about the human body in health and disease.</i>	<ol style="list-style-type: none"> <li><b>Lecture:</b> understand the structure and function of the cardiovascular and pulmonary systems.</li> <li><b>Lab:</b> perform a sheep's heart dissection.</li> </ol>	3.75 hours	<b>Informed and Integrative Thinking</b> <ol style="list-style-type: none"> <li>Apply systems thinking to understand the interaction and influence of related parts on each other, and on outcomes.</li> </ol>	<b>Academic Foundation:</b> 1.13 Analyze basic structures and functions of human body systems (skeletal, muscular, integumentary, cardiovascular, lymphatic, respiratory, nervous, special senses, endocrine, digestive, urinary, and reproductive).