



Health Sciences: Health & Human Sciences Syllabus

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Course Description:

The Health and Human Sciences Program is a two-year program for students who plan to continue their education beyond high school. In this program, students will prepare for future careers in healthcare, human services, education, coaching, or nonprofit organizations.

In the first year, student learning will extend outside the classroom to the Upper Valley. The focus will be on career exploration and the understanding of systems and settings that impact people, health, and education. Students will participate in field trips, job shadows, and service projects.

In the second year of the program, students will focus on human development, systems of the body, and the barriers that impact health and learning. Students will participate in cooperative learning and complete rotations in various settings. Students will graduate with a minimum of 6 college credits with opportunities for additional credits and certifications depending on career goals. Students will learn skills that will prepare them to become lifelong learners and leaders in their community and professional fields.

If students wish to earn their Licensed Nursing Assistant (LNA) certification, they will have the opportunity to enroll in the evening and weekend LNA program.

Units of Study:

Level 1

- Communication
- Professionalism
- Curiosity and Critical Thinking
- Workplace Ethics
- Conflict, Mediation, and Restorative Justice
- Systems and Settings
- Public Policy and Community Impact
- Community Health and Vitality
- Collecting and Analyzing Data
- Job Shadows
- Service Project
- Preparing for Post-Secondary Education

Level 2

- Infection Control
- Reproduction and Start of Life
 - » Reproduction System (Cells, Tissue)
 - » Issues and Rights (Emotion, Perception)
- Movement and Disability
 - » Skeletal System
 - » Muscular System
 - » Nervous System
- The Impact of Stress on the Body and the Brain
 - » Cardiovascular System
 - » Digestive System
 - » Limbic System
- Nutrition and Food Systems
- Navigating Longer Lives
 - » Understanding and Reframing Aging
 - » Healthcare Costs and Community Impact
 - » End-of-Life Planning and Care

Classroom Expectations and Goals:

Students and the Instructor will collaborate in the first few days of school to create a detailed set of guidelines to follow for the Health Science Classroom. This information will be made available to parents and guardians as well. Basic expectations are:

- Follow the HACTC Mission Statement: Respect. Engage. Learn. Work. Serve. Grow.
- Students and Staff will maintain a Respectful and Professional Environment.
- Students and Staff maintain safety in classroom and lab spaces.
- Students and Staff will communicate in a clear and timely manner in the case of absence.

Assignment Policy:

Grades are determined by dividing the points earned by the total number of points available in the grading period. Assignments are to be handed in on time. If late, 10 points off per day (down to a 50). If students don't hand in an assignment, they will receive a grade of zero.

Credits Earned:

Students may earn a total of six credits over two years: four elective credits, one technology credit and one science credit.

Industry Recognized Credentials:

- Basic Life Support (BLS) for Health Care Providers: CPR & AED
- First Aid
- Bloodborne Pathogens
- WorkKeys National Career Readiness Certification (NCRC)

Common Standards Assessed in Every Program:

Communication: ESS02.01 Select and employ appropriate reading and communication strategies to learn and use technical concepts and vocabulary in practice.

Leadership and Teamwork: ESS07.03 Employ teamwork skills to achieve collective goals and use team members' talents effectively.

Technical Skill: ESS10.01 Employ information management techniques and strategies in the workplace to assist in decision-making.

Problem Solving/Critical Thinking: ESS03.01 Employ critical thinking skills independently and in teams to solve problems and make decisions (e.g., analyze, synthesize and evaluate).

Articulation Agreements:

- Vermont State University - Johnson
- Keene State College

Concurrent Enrollments Offered:

- Supportive Communication, RVCC, 3 credits (pending)
- Human Development, RVCC, 3 credits (pending)

Grading Categories and Weights:

All assignments fall into one of the categories below:

Communication	25%
Leadership & Teamwork	25%
Problem Solving & Critical Thinking	25%
Technical Skills	<u>25%</u>
Total	100%

Standards Unique to Health Sciences:

- Demonstrates Understanding of Health Careers Encompassing the Educational Requirements, Job Descriptions, Career Ladder Options, and Employment Opportunities
(VT Standards: 1.18, 1.19, 3.15, 3.16, 7.5)
- Demonstrates the Communication Skills Necessary for Good Interpersonal Relationships, Including Use of Computers
(VT Standards: 1.13, 1.14, 1.15, 1.18, 1.19, 1.20, 2.2, 2.3)
- Lists, Define, and Uses the Medical Terms and Abbreviations Commonly Used in the Health Field
(VT Standards: 1.17, 5.19, 5.21, 7.14)
- Demonstrates WorkPlace Safety Skills
(VT Standards: 7.14, 7.18)
- Demonstrates Knowledge of Basic Human Anatomy and Physiology, Body Systems, Organs, and Functions
(VT Standards: 7.14, 7.18)