

Health and Bio Science

| Grade/Subject (credits) | Language Arts (4.0) | Math (3.0) | Science (3.0) | Social Studies (3.0) | Other Requirements (PE, Fine Arts) | Pathway Courses | Other Electives | Total Credits |
|-------------------------|---|---|---|--|---|---|--|---------------|
| 9th (7.0) | <input type="checkbox"/> English 9 or Adv. English 9 (1.0) | <input type="checkbox"/> Geometry, Adv. Geometry, Algebra, Introduction to Algebra or Adv. Algebra II (1.0) | <input type="checkbox"/> Biology or Adv. Biology (1.0) | | <input type="checkbox"/> Health 9 (.5) <input type="checkbox"/> Fine Arts or PE (.5) | <input type="checkbox"/> Introduction to Health Science and Biomedicine (.5) | <input type="checkbox"/> Electives (2.5) | 7.0 |
| 10th (7.0) | <input type="checkbox"/> English 10 or Adv. English 10 (.5) <input type="checkbox"/> Appreciation of Literature or Epic Tradition (.5) | <input type="checkbox"/> Algebra II, Adv. Algebra II, Geometry, or Other Math Course (1.0)* | <input type="checkbox"/> Chemistry, Physics or Other Science Elective (1.0) | <input type="checkbox"/> Modern World History or AP European History (1.0) | <input type="checkbox"/> Fine Arts or PE (1.0) | <input type="checkbox"/> Pre-Med I (.5) <input type="checkbox"/> Pre-Med II (.5) | <input type="checkbox"/> Electives (1.0) | 7.0 |
| 11th (7.0) | <input type="checkbox"/> American Literature I or Adv. American Literature (.5) <input type="checkbox"/> English Elective (.5) | <input type="checkbox"/> Analysis, Pre-Calculus or Other Math Course (1.0) | <input type="checkbox"/> Physics or Other Science Elective (1.0) | <input type="checkbox"/> US History I & II or AP US History I & II (1.0) | | <i>Choose 1.0 Credit from above <u>or</u> from the following:</i> <input type="checkbox"/> Anatomy and Physiology (1.0) <input type="checkbox"/> Principles of Biomedicine I & II(1.0) <input type="checkbox"/> Forensic Science I & II (1.0) <input type="checkbox"/> Certified Nurse Aide I & Medical Terminology I (1.0) <input type="checkbox"/> Emergency Medical Science—First Responder & Medical Terminology II (1.0) <input type="checkbox"/> AP Biology | <input type="checkbox"/> Electives (2.0) | 7.0 |
| 12th (7.0) | <input type="checkbox"/> English Elective (1.0)* | | <input type="checkbox"/> BIOL 100 Principles of Biology (1.0) | <input type="checkbox"/> US Government and Social Studies Elective (1.0) <u>OR</u> <input type="checkbox"/> AP Government & Politics (1.0) | | <i>Choose 2.0 Credits from above</i> <input type="checkbox"/> EMT—Emergency Medical Technician <input type="checkbox"/> Certified Medication Aide <input type="checkbox"/> Project Management & Resource Scheduling—Bio | <input type="checkbox"/> Electives (3.0) | 7.0 |

Related Careers

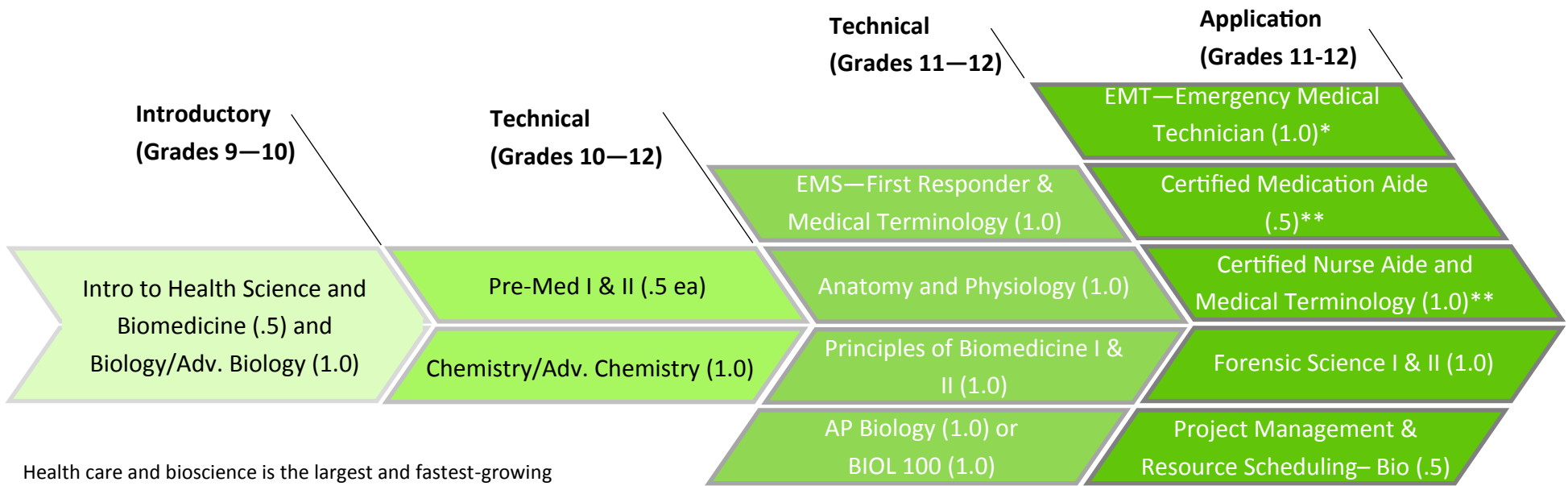
- Anesthesiologist
- Athletic Trainer
- Bioethicist
- Biomedical Engineer
- Cardiologist
- Chiropractor
- Coroner
- Dental Hygienist
- Dentist
- Dietitian
- Doctor
- Epidemiologist
- Geneticist
- Health Records Professional
- Kinesiologist
- Massage Therapist
- Medical Lab Tech
- Midwife
- Neurologist
- Nurse
- Occupational Therapist
- Ophthalmologist/Optometrist
- Orthodontist
- Paramedic
- Pediatrician
- Personal Trainer
- Pharmacist
- Psychiatrist/Psychologist
- Radiologist
- Surgeon

Related Degrees

- Associate of Applied Science in Emergency Medical Science (JCCC)
- Associate of Applied Science in Nursing—Registered Nurse (JCCC/NCCC)
- Bachelor of Arts/Science in Biology (University of Kansas)

Other degree programs are available. Please see your teacher or counselor for more information.

Health & Bio Science



Health care and bioscience is the largest and fastest-growing industry in the United States. The health care industry employs over 10 million workers in more than 200 careers. The current and projected health care workforce shortage is creating a health care crisis across the nation. Learners need a solid background in math, science, communications, and technical skills. A shift in emphasis toward preventing problems rather than controlling those that already exist, as well as increasing public health concerns, also will spur demand for these positions. Additionally, one may pursue scientific research and professional and technical services including laboratory and testing services, and research and development services .



* Students may enroll in EMS-First Responder and Medical Terminology for 8 hours of college credit. The course is offered by JCCC at the College & Career Center. Students may also enroll in EMT—Emergency Medical Technician for 10 hours of college credit. This class is also offered by JCCC at the College & Career Center. Students should successfully complete EMS-First Responder and Medical Terminology before enrolling in EMT-Emergency Medical Technician.



** Students may enroll in Certified Nurse Aide and Medical Terminology for 9 hours of college credit. The course is offered by NCCC at the College & Career Center. Students may also enroll in Certified Medication Aide for 5 hours of college credit. This class is also offered by NCCC at the College & Career Center. Students must successfully complete Certified Nurse Aide and Medical Terminology before taking Certified Medication Aide.



Students who receive a 3 or 4 on the AP Biology exam are eligible for 3 hours of credit for BIOL 100 at KU. Students who earn a 5 on the exam can earn 4 hours of credit for BIOL 150 at KU.

Free State High School

Intro to Health Science and Biomedicine
Biology/Adv. Biology
Chemistry/Adv. Chemistry
Pre-Med I & II
Anatomy and Physiology
AP Biology
BIOL 100—Biology

Lawrence High School

Intro to Health Science and Biomedicine
Biology/Adv. Biology
Chemistry/Adv. Chemistry
Pre-Med I & II
Anatomy and Physiology
AP Biology
BIOL 100—Biology

College & Career Center

Certified Nurse Aide and Medical Terminology I
Certified Medication Aide
EMS-First Responder and Medical Terminology II
EMT—Emergency Medical Technician
Principles of Biomedicine I & II
Forensic Science I & II
Project Management & Resource Scheduling—Bio