



8 Health Science Plan of Study



Sub-Pathways: Therapeutic Services Pathway; Diagnostics Services Pathway; Health Informatics Pathway; Support Services Pathway; Biotechnology Research and Development.

	9 th Grade	10 th Grade	11 th Grade	12 th Grade
High School	English 9 or Freshman Honors English	Speech and Writing Experiences	American Literature and Advanced Writing or Guided Writing Projects	Contemporary Literature or Classical Literature or Guided Literature Projects or AP English
	Algebra 1 (or Geometry)	Geometry (or Algebra 2)	Algebra 2 (Pre-Calculus or Discrete Math)	Discrete Math, Pre-Calculus, or AP Statistics (or AP Calculus)
	Molecular Biology	Chemistry	Zoology or Anatomy & Physiology	AP Biology/Genetics or Advanced Chemistry
	American Studies II	Contemporary American History or Historical Viewpoints	World Cultures and Psychology or Economics or Sociology	American Government
	Lifetime Fitness Education	PE/Health	PE/Health	PE/Health
	Computer Applications I			
Electives	World Languages: In our global society, taking multiple years of a World Language is highly recommended for all post-secondary endeavors and is a requirement for many colleges.			
	Related High School Electives: Supplementary materials including the student 'Course Guide' showing elective course offerings that relate to each career cluster are available in the schools and on the district web site at: http://www.davenport.k12.ia.us/students.asp			
	Sample Focused Elective Sequences: With the diverse array of career opportunities available under each career cluster, there is no one right combination of elective course offerings. Students, in conjunction with parents, counselors and other caring adults must determine what is right for them. More details can be found at: http://davenportschools.org/curriculum/ACP/Foc_EI.pdf			
	Sample Career-Focused Elective Sequences Follow:			
	Health-Related Careers: Choose at least 3 units from the following: Health Education I - 0.5; Health Education II - 0.5; Environmental Studies 0.5; Genetics 0.5; Practicum in Sports Medicine 0.5; Child Development 0.5; Related Health Occupations 0.5; Health Occupations On-the-Job 0.5; Career Exploration Internship 0.5; Career Emphasis Internship 0.5			
<i>Work in Progress</i>				
Post-Secondary	St. Ambrose University		Scott, Muscatine, Clinton	
	www.sau.edu Kinesiology Nursing Biology Chemistry Criminalistics Occupational Therapy		<input type="checkbox"/> Dental Hygiene <input checked="" type="checkbox"/> Certified Nurse Assistant <input type="checkbox"/> Electroneurodiagnostic <input type="checkbox"/> Emergency Medical Services <input checked="" type="checkbox"/> Health Information Technology <input type="checkbox"/> Cancer Information Management <input type="checkbox"/> Medical Transcription <input type="checkbox"/> Nursing <input type="checkbox"/> Practical Nursing Education <input type="checkbox"/> Associate Degree in Nursing <input checked="" type="checkbox"/> Radiology Technology	
Hamilton Technical College		Western Illinois University		
www.hamiltontechcollege.com Medical Assisting Medical Billing & Coding		www.wiu.edu Clinical Exercise Athletic Training Biochemistry Biology Chemistry Forensic Chemistry Health Sciences Health Services Management Kinesiology Microbiology		

Post-Secondary	Black Hawk College www.bhc.edu Dental Assisting Electroneurodiagnostic Technology Emergency Medical Services Health Information Management Health, Physical Educ. & Recreation Health, Safety & Environ. Massage Therapy & Medical Billing specialist Medical Coding Specialist Medical Office Receptionist Medical Transcriptionist Nursing Physical Therapist Assistant Practical Nursing Pre-Chiropractic Transfer Pre-Medicine Radiology Technology	<input type="checkbox"/> Diagnostic Medical Sonography <input type="checkbox"/> Computer Tomography (CS) <input type="checkbox"/> Magnetic Resonance Imaging <input type="checkbox"/> Pharmacy Technician <input type="checkbox"/> Physical Therapy Assistant <input type="checkbox"/> Respiratory Care <input type="checkbox"/> Pre-Health Professional <input type="checkbox"/> Pre-Chiropractic <input type="checkbox"/> Pre-Bachelor of Science in <input type="checkbox"/> Pre-Dental Hygiene <input type="checkbox"/> Pre-Dentistry <input type="checkbox"/> Pre-Medical Technology <input type="checkbox"/> Pre-Medical <input type="checkbox"/> Pre-Mortuary Science <input type="checkbox"/> Pre-Physical Therapist	Iowa State University www.iastate.edu Biochemistry - www.bbmb.iastate.edu/biochemmajor.shtml Biophysics - www.bbmb.iastate.edu/biophysicsmajor.shtml Bioethics - www.iastate.edu/~ethics/ Bioinformatics - www.las.iastate.edu/bcb/ Biological Illustration - www.bpmi.iastate.edu/ Renewable Resources research - www.biorenew.iastate.edu/academics.html Biotechnology - www.biotech.iastate.edu/ Diet and Exercise - www.hs.iastate.edu/dietandexercise/
	Augustana College www.augustana.edu Biochemistry Biology Pre-Professional Programs of Study: - Dentistry - Medicine - Occupational Therapy - Optometry - Pharmacy - Physical Therapy - Veterinary Medicine	University of Northern Iowa www.uni.edu Biology - https://access.uni.edu/cgi-bin/ccd/worksh Biomedical - https://access.uni.edu/cgi-bin/ccd/worksh Microbiology - https://access.uni.edu/cgi-bin/ccd/worksh Biotechnology - https://access.uni.edu/cgi-bin/ccd/worksh Communicative Diseases - www.uni.edu/majors/chfa/commdis/index.s Gerontology - www.uni.edu/majors/csbs/designfamily/ger Health Promotion - www.uni.edu/majors/coe/hpe/index.shtml Movement & Exercise Science -	Iowa State University Dietetics - www.dietetics.iastate.edu/undergrad/homepage.php Food Science - www.fshn.hs.iastate.edu/ugrad/foodsci.php Kinesiology - www.kin.hs.iastate.edu/undergrad/ Nutritional Science - www.fshn.hs.iastate.edu/ugrad/nutritional.php Genetics - www.genetics.iastate.edu/ Chemistry - www.chem.iastate.edu/ Microbiology - www.micro.iastate.edu/ Pre-med - www.las.iastate.edu/academics/prehealth/timetable.shtml
Post-Secondary	Kaplan University www.kaplan.edu Health & Wellness Medical Assisting Medical Office Management Medical Transcriptionist		
	Work-based Learning Options <input type="checkbox"/> Job-Shadowing: <input type="checkbox"/> Internship/Mentorship: <input type="checkbox"/> On-The-Job Training: Work in Progress	Short-Term Training Options <input type="checkbox"/> Certified Nurse Aid <input type="checkbox"/> Certified Medication Aide <input type="checkbox"/> CPR / First Aid Certification <input type="checkbox"/> Alzheimer's / Geriatric Care Training <input type="checkbox"/> Phlebotomy <input type="checkbox"/> Medical Coding	Short-Term Training Options <input type="checkbox"/> EKG Technician <input type="checkbox"/> Pharmacy Technician <input type="checkbox"/> Central Sterile Processing Technician <input type="checkbox"/> Veterinary Assistant <input type="checkbox"/> Medical Transcriptionist <input type="checkbox"/> Conversational Spanish
Career Enhancement Options			

Parent/Guardian: Please sign and return this document indicating that you are aware of your student's career cluster interest and have reviewed the courses recommended for this particular cluster. These are only recommendations. Students will be able to customize their Academic Career Plans to best meet their postsecondary and career goals.

PRINT Student's Name/School

Parent/Guardian's Signature

Date