

# Which pathway will you choose?



## Health Science Technology CAREER FIELD

- Health Science
  - > Biotechnology Research and Development
  - > Diagnostic Services
  - > Support Services
  - > Health Informatics
  - > Therapeutic Services

CAREER FIELD: HEALTH SCIENCE & TECHNOLOGY				
<i>Recommended courses for: Technical High School</i>				
	Grade 9	Grade 10	Grade 11	Grade 12
Language Arts	2 Semesters Language Arts 9	2 Semesters Language Arts 10	2 Semesters 1 Composition 1 Literature	2 Semesters 1 Speech 1 Elective
Mathematics	2 Semesters Math	2 Semesters	2 Semesters Choose	
Science	2 Semesters Earth/Space 9	2 Semesters Biology	2 Semesters Choose <i>Human Biology++</i>	<i>Human Biology++</i>
Social Studies	2 Semesters Geography 9	1 Semester World History	2 Semesters U.S. History	2 Semesters 1 Economics 1 American Governemtn
Fitness/Health	2 Semesters Fitness for Life	1 Semester Fitness for Life 1 Semester Health		
Art	1 Semester (Elective #1)	1 Semester		
Foreign Language	2 Semesters (Elective #1)	2 Semesters (Elective #1)		
Other		3 Semesters (Elective 2 & 3)	4 Semesters (Elective 1-4)	8 Semesters (Elective 1-8)
		<ul style="list-style-type: none"> <li>• Life Guard Training</li> <li>• Personal Fitness Trends</li> </ul>		<ul style="list-style-type: none"> <li>• Emergency Medical Services I &amp; II – Discovery Academy</li> </ul>

**Required Courses**  
*Suggested Courses*  
 \*\* AP Courses  
 ## SRS Courses  
 ++ SCTC Tech Prep Courses

## Potential Careers in the Health Science & Technology Career Pathway



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**Do you like to:** Respond quickly and clearly in emergencies? Perform multiple tasks at one time? Work with others and work physically close to people? Use strong memorization and problem-solving skills? Show compassion for an empathy with patients?

People attracted to careers in this pathway like to help others. This career path includes programs related to the promotion of health in people and animals, as well as the treatment of injuries, conditions, and diseases. These may include medicine, dentistry, mental and physical health, nursing, therapy and rehabilitation, nutrition, fitness, and hygiene.

	High School Diploma (some add'l training may be necessary)	Technical Training or 2-year Degree	4-year Degree and Beyond	
<i>Career Specialties/Occupations</i>	<ul style="list-style-type: none"> <li>• <i>Aerobics Instructors</i></li> <li>• <i>Certified Nurses Aide</i></li> <li>• <i>Dispensing Optician</i></li> <li>• <i>Emergency Medical Technician</i></li> <li>• <i>Fitness Trainers</i></li> <li>• <i>Home-Health Aide</i></li> <li>• <i>Lifeguard</i></li> <li>• <i>Medical Equipment Preparers (minimum)</i></li> <li>• <i>Orderly</i></li> <li>• <i>Personal and Home Care Aides</i></li> <li>• <i>Physical Therapist Aides</i></li> <li>• <i>Psychiatric Aides (minimum)</i></li> <li>• <i>Veterinary Assistants</i></li> </ul>	<ul style="list-style-type: none"> <li>• <i>Cardiology Technologist*</i></li> <li>• <i>Cardiovascular Technologists*#</i></li> <li>• <i>Dental Assistant*</i></li> <li>• <i>Dental Hygienist*</i></li> <li>• <i>Dietetic Technicians</i></li> <li>• <i>Echocardiographer*</i></li> <li>• <i>Emergency Medical Technicians*</i></li> <li>• <i>Health Information Technician*+</i></li> <li>• <i>Histology Technician</i></li> <li>• <i>Licensed Practical Nurse*+</i></li> <li>• <i>Massage Therapist+#</i></li> <li>• <i>Medical Assistants+#</i></li> <li>• <i>Medical Laboratory Technicians+#</i></li> <li>• <i>Medical Laboratory Technologists+#</i></li> <li>• <i>Medical Records Technician+</i></li> <li>• <i>Medical Sonographers*</i></li> <li>• <i>Nuclear Medicine Technologists</i></li> <li>• <i>Nursing Assistants*</i></li> <li>• <i>Occupational Therapist Assistant</i></li> <li>• <i>Opticians</i></li> <li>• <i>Paramedic*</i></li> <li>• <i>Pharmacy Technician+</i></li> <li>• <i>Phlebotomist#</i></li> <li>• <i>Physical Therapist Assistants</i></li> <li>• <i>Psychiatric Technicians</i></li> <li>• <i>Radiologic Technologists</i></li> <li>• <i>Respiratory Therapists</i></li> <li>• <i>Stress Test Technician</i></li> <li>• <i>Surgical Technologist*+</i></li> <li>• <i>Veterinary Technician#</i></li> <li>• <i>Veterinary Technologists</i></li> </ul>	<ul style="list-style-type: none"> <li>• <i>Addictions Counselors-</i></li> <li>• <i>Alternative Health Care Practitioners</i></li> <li>• <i>Anesthesiologists</i></li> <li>• <i>Anesthetist</i></li> <li>• <i>Athletic Trainers-^</i></li> <li>• <i>Audiologists</i></li> <li>• <i>Biomedical Engineers</i></li> <li>• <i>Chiropractors^</i></li> <li>• <i>Compliance Officers and Inspectors</i></li> <li>• <i>Coroners</i></li> <li>• <i>Dentists^</i></li> <li>• <i>Dermatologist</i></li> <li>• <i>Dietician^</i></li> <li>• <i>Epidemiologist</i></li> <li>• <i>Exercise Physiologist</i></li> <li>• <i>Family Practitioners</i></li> <li>• <i>Forensic Science Technicians</i></li> <li>• <i>General Practitioners</i></li> <li>• <i>Geriatrician</i></li> <li>• <i>Gynecologists</i></li> <li>• <i>Health Service Administrators-</i></li> <li>• <i>Immunologist</i></li> <li>• <i>Internist</i></li> <li>• <i>Medical Laboratory Technologists-</i></li> <li>• <i>Medical Researcher-</i></li> <li>• <i>Medical/Clinical Laboratory-</i></li> <li>• <i>Medical/Dental Office Manager-</i></li> <li>• <i>Mental Health Counselors-</i></li> <li>• <i>Nurse Anesthetist</i></li> <li>• <i>Nurse Midwives</i></li> <li>• <i>Nurse Practitioners</i></li> <li>• <i>Nurse-midwife</i></li> </ul>	<ul style="list-style-type: none"> <li>• <i>Nutritionist^</i></li> <li>• <i>Obstetricians</i></li> <li>• <i>Occupational Health and Safety Specialist</i></li> <li>• <i>Occupational Therapist^</i></li> <li>• <i>Optometrist^</i></li> <li>• <i>Orthotic and Prosthetic Specialist</i></li> <li>• <i>Pathologist</i></li> <li>• <i>Pediatrician</i></li> <li>• <i>Pharmacist^</i></li> <li>• <i>Pharmacologist^</i></li> <li>• <i>Pharmacy Technicians^</i></li> <li>• <i>Physical Therapists^</i></li> <li>• <i>Physician Assistant^</i></li> <li>• <i>Podiatrists</i></li> <li>• <i>Psychiatrist-^</i></li> <li>• <i>Psychologists-^</i></li> <li>• <i>Radiation Therapists-</i></li> <li>• <i>Recreation Therapist</i></li> <li>• <i>Registered Nurse-^</i></li> <li>• <i>Science Technicians</i></li> <li>• <i>Speech Pathologists-</i></li> <li>• <i>Statisticians-</i></li> <li>• <i>Surgeon</i></li> <li>• <i>Technologist</i></li> <li>• <i>Veterinarian^</i></li> </ul>



Programs offered at:  
 \* St. Cloud Technical College  
 + Rasmussen College  
 # Minnesota School of Business/Globe College  
 ~ St. Cloud State University  
 ^ St. John's University/ College of St. Benedict