Winneconne High School
SCIENCE, TECHNOLOGY, ENGINEERING & MATHEMATICS CAREER CLUSTER

Planning, managing, & providing scientific research & professional & technical services (e.g., physical science, social science, engineering) including laboratory & testing services, & research & development services.

PATHWAYS	Engineering & Technology			Science & Math		

SAMPLE CAREER SPECIALTIES / OCCUPATIONS	☐Aerospace Engineer
	☐Aeronautical Engineer
	☐Agricultural Engineer
	☐Agricultural Technician
	☐Application Engineer
	☐Architectural Engineer
	☐Automotive Engineer
	☐Biomedical Engineer
	☐Biotechnology Engineer
	☐Chemical Engineer
	☐Civil Engineer
	☐Communications Engineer
	☐Computer Engineer
	☐Computer Hardware Engr.
	☐Computer Programmer
	☐Computer Science Tech.
	☐Computer Software Engr.
	☐Construction Engineer
	☐Consultant
	☐Development Engineer
	☐Drafter
	☐Electrical Engineer
	☐Electrician
	☐Electronics Technician
		☐Energy Transmission Engr.
		☐Environmental Engineer
		☐Facilities Technician
		☐Fire Protection Engineer
		☐Geothermal Engineer
		☐Hazardous Waste Engineer
		☐Hazardous Waste Tech.
		☐Human Factors Engineer
		☐Industrial Engineer
		☐Industrial Engineering Tech
		☐Licensing Engineer
		☐Manufacturing Engineer
		☐Manufacturing Technician
		☐Manufacturing Processes
		   Engineer
		☐Marine Engineer
		☐Materials Engineer
		☐Materials Lab & Supply
		   Technician
		☐Mechanical Engineer
		☐Metallurgic Engineer
		☐Mining Engineer
		☐Naval Engineer
		☐Network Technician
			☐Nuclear Engineer
			☐Ocean Engineer
			☐Operations Research
			   Engineer
			☐Packaging Engineer
			☐Packaging Technician
			☐Petroleum Engineer
			☐Pharmaceutical Engineer
			☐Plastics Engineer
			☐Power Systems Engineer
			☐Product Design Engineer
			☐Project Engineer
			☐Project manager
			☐Prototype Engineer
			☐Quality Engineer
			☐Quality Technician
			☐Radio/TV Broadcast Tech.
			☐Radiology Engineer
			☐Researcher
			☐Safety Engineer
			☐Software Engineer
			☐Structural Engineer
			☐Survey Technician
			☐Systems Design Engineer
				☐Analytical Chemist
				☐Anthropologist
				☐Applied Mathematician
				☐Archeologist
				☐Astronomer
				☐Astrophysicist
				☐Atmospheric Scientist
				☐Biologist
				☐Botanist
				☐CAD Operator
				☐Cartographer
				☐Chemist
				☐Communications
				   Technologist
				☐Conservation Scientist
				☐Cosmologist
				☐Cryptographer
				☐Crystallographer
				☐Demographer
				☐Dye Chemist
				☐Ecologist
				☐Economist
				☐Electronmicroscopist
				☐Environmental Scientist
					☐Expert Systems Scientist
					☐Geneticist
					☐Geologist
					☐Geophysicist
					☐Geoscientist
					☐Herpetologist
					☐Hydrologist
					☐Ichthyologist
					☐Inorganic Chemist
					☐Laboratory Technician
					☐Mammalogist
					☐Marine Scientist
					☐Materials Analyst
					☐Materials Scientist
					☐Mathematician
					☐Mathematics
					☐Metallurgist
					☐Meteorologist
					☐Microbial Physiologist
					☐Mycologist
					☐Nanobiologist
					☐Nuclear Chemists
					☐Nuclear Technician
					☐Numerical Analyst
						☐Nutritionist
						☐Oceanographer
						☐Organic Chemist
						☐Ornithologist
						☐Paleontologist
						☐Physicist
						☐Polymer Scientist
						☐Programmer
						☐Protein Scientist
						☐Protozoologist
						☐Quality-Control Scientist
						☐Radio Chemist
						☐Research Chemist
						☐ Research Technician
						☐Science Teacher
						☐Lab Technician
						☐Scientific Visualization /
						   Graphics Expert
						☐Spectroscopist
						☐Statistician
						☐Technical Writer
						☐Technologist
						☐Toxicologist
						☐Zoologist

Is this career path for you?

- ☐ Are you friendly, open, understanding, and cooperative?
- ☐ Do you like to work with people to solve problems?
- ☐ Is it important to you to do something that makes things better for other people?
- ☐ Do you like to help friends with family problems?
- ☐ Do you like reading, storytelling, traveling, or tutoring young children?

Passions – building and repairing things, working with tools, working with hands
Attitude – curious, quiet
Talents – math, science, and technology ability, problem-solving ability, mechanical ability
Heart – likes to work alone, likes to investigate the "why" of things

Are you?
- ☐ **Investigative**
- ☐ **Realistic**
- ☐ **Conventional**
- ☐ Enterprising
- ☐ Social
- ☐ Artistic

If you are not sure what your Holland Code score is, complete an assessment at
www.WisCareers.wisc.edu

Important Web Page Links

www.winneconne.k12.wi.us
www.wiscareers.wisc.edu
www.uwhelp.wisconsin.edu
www.dwd.state.wi.us
www.bls.gov
www.careerclusters.org
www.worknet.wisconsin.gov
www.salary.com
www.online.onetcenter.org
www.aip.org
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