DESCRIPTION
The Department of Chemistry, Computer, and Physical Sciences prepares students to take advantage of the opportunities of the 21st century by providing outstanding training in the dynamic field of Chemistry, and excellent opportunities abound for individuals desiring success. Everything in the environment, whether naturally occurring, of human design, or even extraterrestrial is composed of chemicals. Chemical research has led to the discovery and development of new and improved synthetic fibers used in our clothing, paints used to color countless items in our world, drugs used to vastly improve human health, alloys and composite materials used to make stronger and more durable structures, and thousands of other products in our lives. The Chemistry program prepares students for careers in industry and research, and for advanced degrees in chemistry and professional programs. At SE students have the opportunity to use highly sophisticated equipment in both teaching and research laboratories. Many students have the opportunity to actively participate in research with faculty members and present their research at professional conferences.

DEGREE OPTIONS
A student majoring in chemistry has several degree options that lead to a Bachelor of Science in Chemistry. We offer the traditional 40-hour Chemistry major or a 58-hour Chemistry major-minor program that is designed for students interested in pursuing a career as a professional chemist or furthering their studies at the graduate level. We also offer a Medical Sciences interdisciplinary double-major between Chemistry and Biology which is specifically geared for those students who are looking at a career in health sciences.

NOTABLE ACHIEVEMENTS
The Chemistry, Computer, and Physical Sciences Department maintains one of the most comprehensive undergraduate chemistry instrumentation core laboratories found anywhere in the state of Oklahoma. Students are exposed to cutting-edge scientific instrumentation. Chemistry faculty at SE has obtained more than 1.5 million dollars in external funding in the past 10 years to improve research and infrastructure of the Chemistry program. Chemistry students have been recognized for their research at the state and national level. Many SE students have gone on to earn doctorates in medical or health professions (Pharmacy, Dentistry, Optometry) or PhDs in Chemistry or other related sciences. In 2011, three research labs in the Science Building underwent a half-million dollar renovation.

INTERESTS AND SKILLS
Chemistry students typically have some interest in science and math, and many have a profound interest in discovery and understanding the nature of our environment. If you are creative, curious, motivated and like to solve problems – a chemistry major may be for you. Chemistry is currently in an exciting stage of coordinating with many other disciplines to address and find solutions to the critical problems that face our society. Chemists are involved every day in research dealing with agriculture, biology, electronics, energy-fuels, engineering, medicine, materials science, and many other areas. Students need to develop or possess analytical skills, observational skills, critical thinking skills, and curiosity.

TYPES OF EMPLOYERS
Chemical and testing laboratories found in all types of companies, Environmental agencies, Government agencies, and Education (all levels).

JOBS OF RECENT & EXPERIENCED GRADUATES
- Senior Director, Worldwide Medicinal Chemistry, Pfizer Pharmaceuticals.
- Professor and Researcher, University of Oklahoma Health Sciences Center.
- Faculty and Researcher, MD Anderson Cancer Center.
- Faculty and Researcher, Southwest Medical Center – University of Texas.
- Director of Surgery, University of Oklahoma College of Medicine – Tulsa.
- Senior Research Fellow, Monsanto Corporate Research.
- Senior Criminalist, Oklahoma State Bureau of Investigation.
- Senior Chemist, SASOL Chemical Products.
- Senior Industrial Hygienist, PPG Industries.
- Chemist, Tyson Foods Safety and Research Laboratory.
- Public school teachers.
- Medical Doctors
- Dentists
- Optometrists
- Pharmacists

CONTACT INFORMATION
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