2020 SWE-RMS Freshman Scholarship Recipient Profiles

SWE-RMS is pleased to announce the recipients of its 2020 Freshman Scholarship. Every year, this local scholarship program awards graduating high school women from Colorado and Wyoming, who are planning to major in ABET-accredited engineering, computing, or engineering technology programs.

Olivia Pyke

Olivia Pyke is a graduating senior at Battle Mountain High School in Edwards, Colorado. She has a very impressive academic record and as she puts it, she “found [STEM] projects intriguing and loved incorporating mathematical concepts.” She also participates in the Student Council and was the Junior Class President. Outside of school, Ms. Pyke has been dancing with the Vail Valley Dance Academy since she was 3 years old. Through dance, her interest in the human body and movement was peaked. She began to explore biomechanics through several sports medicine internships, culminating in her participation in a student internship at the Steadman Philippon Research Institute – a top orthopedic research institute. Ms. Pyke plans to attend Colorado State University and study Biomedical and Mechanical Engineering. She hopes to better people’s lives and create new medical devices.

Shae Henley

Shae Henley is a graduating senior from Thunder Ridge High School in Highlands Ranch, Colorado. As a varsity cross-country and track athlete, she made All-League First Team twice and won Gold Shoe Award three times. Ms. Henley is also a talented saxophone player and president of the TRI-M Music Honors Society. Academically, she is an over-achiever; she has been awarded the Colorado School of Mines Medal of Achievement in Math and Science as well as recognized by CHSAA Academic All State First Team. Ms. Henley describes STEM as “the key to unlock different and unexplored parts of our world.” Currently, she is exploring satellite design at the Lockheed Martin Deep Space Exploration Program as part of her senior research project on engineering structures and mechanisms of spacecraft. Her dream is to design and test spacecraft for space exploration and to advance humanity’s understanding of space science. Ms. Henley will join the Aerospace Engineering program at the University of Arizona this fall.
Anne Osmun

Hailing from Mountain Vista High School in Littleton, Colorado, Anne Osmun has a brilliant academic record, excelling in several science, technology and engineering courses. Her achievements include obtaining recognition as a Certified Solidworks Associate (CSWA) – industry certification for computer-aided design program – and a STEM certificate from her high school. Ms. Osmun is also the varsity swim team captain, with 4 school records in her name, and a two-time NISCA All American participant. She is engaged in community service through the National Honors Society and Kiwanis Education Youth Club. In her application essay, she explained her desire to design new materials in face of the environmental challenges threatening our planet while setting a positive example and encouraging young girls to explore STEM careers. Ms. Osmun claims that “engineering is part of my personality” and it is evident from the goals that she has set for herself that she will continue to grow and inspire in this field. Ms. Osmun plans to enter the Metallurgical and Materials Engineering program at Colorado School of Mines.