

## Entering the Engineering Program at Roberts Wesleyan College

The Engineering Program Entrance Form should be completed prior to your first year of studies at Roberts Wesleyan College (RWC). This will provide you with the best opportunity to complete the degree within the five year timeframe of a 3-2 program. As many of these programs have required courses within the first three years, some of which may have to be taken in a specific order, it is to your advantage to investigate this option early.

The standard of performance required by the engineering schools is rigorous, requiring the engineering student to excel in his or her science, math and engineering courses. It is also a very demanding program, requiring 16-18 credit hours per semester in order to complete the required courses for transfer to the engineering school by the end of the third year. In addition to this, you will need to meet the following requirements in order to continue successfully. The 3-2 programs currently available and their minimum transfer performance standards are listed below.

<u>Engineering School</u>	<u>Cum GPA</u>
RIT – Mechanical Engineering	3.5*
RPI (Rensselaer Polytechnic Institute)	3.0*
Clarkson University	2.7* (provisional acceptance)

\*All three of these schools require a B or better in math and science classes and 96 credit hours completed in the RWC portion of the program in order to transfer to the engineering institution as part of the Engineering Program.

If you find yourself struggling to meet the standards, please contact your advisor to determine ways to improve your performance or to seek alternative paths to an engineering education.

Determining your desired field of engineering is a crucial step in planning your education. For example, a chemical engineer would be required to take many more chemistry courses prior to transfer than a mechanical engineer. For this reason, chemical engineers often choose a chemistry major rather than a physics major at Roberts. Many of the engineering disciplines are flexible as to choice of major, though fuller RWC majors that do not align with the engineering curriculum may require extra semesters or larger than normal credit loads to complete. For this reason, it is important to make your field selection as soon as you are sure.

In addition, some programs (i.e. RIT Mechanical Engineering) require cross-registration in a number of courses during your time at RWC. Thus, students in this program typically take a full 18 credit hours each semester. Because of the sequencing of cross-registered courses, it is to your advantage to make this choice early. Clarkson and RPI have a standard set of required transfer courses with a few field-dependent additions. If you are unsure which field of study interests you most, these two programs provide the most flexibility.

As soon as you have narrowed down or decided upon a field of study and engineering school, fill out the Engineering Program Entrance Form. Upon receipt and review, you will be reminded of the academic standards required by the engineering institution and will be notified of when you can anticipate completing the RWC portion of the program. If you decide upon a transfer program, the engineering advisor will work with you to tailor your curriculum to your transfer institution of choice.