

ENGINEERING

Associate in Science

Curriculum Guide

▪ FIRST YEAR

First Semester

ENGR	111	Introduction to Engineering	2
CHEM	151	General Chemistry	4
ENGL	111	College Writing I	3
CPTR	226	Computer Science I(C++ Language)	4
MATH	121	Precalculus	5
			<u>18</u>

Second Semester

ENGR	112	Introduction to Engineering	2
CHEM	152	General Chemistry	4
MATH	184	Calculus I	4
COMM*	105	Public Speaking	2
REL		Religion Elective	3
HHPA		**Concepts of Wellness or Activity Electives	2
			<u>76</u>

▪ SECOND YEAR

First Semester

ENGR	211	Statics	3
MATH	285	Calculus II	4
PHYS	251	College Physics	4.5
ENGR	228	Electric Circuit Analysis	4
RELT	141	Christian Beliefs	3
			<u>18.5</u>

Second Semester

ENGR	212	Dynamics	3
MATH	352	Linear Algebra	3
MATH	286	Calculus III	4
PHYS	252	College Physics	4.5
HIST*	157	West and the World	3
			<u>17.5</u>

64 hours are required for graduation.

* Other courses may also meet this requirement. See the Union College Bulletin 2010

^ Alternate year course.

Guidelines for Planning Engineering Programs

Both four-year and five-year versions of the pre-planned programs are available. The latter are particularly recommended for students who must earn a portion of their college expense during the school year or for persons who have significant secondary school deficiencies, such as lack of four years of mathematics.

Scheduling is very critical and the program outlines should be followed carefully in order to avoid future class conflicts. It is best to register for required courses and those which run for more than one semester first.

Consult with your advisor using the current Walla Walla University School of Engineering Guidelines for General Studies. Careful adherence to these Guidelines is important to avoid taking extra courses later because a course studied in not acceptable to Walla Walla University.

** HHPA 155 is required for an AS degree from Union College but only accepted for the Walla Walla University program as one hour of activity and an additional activity would be necessary for their four-year degree. A fine arts or humanities course is required for the AS degree from Union College but is not a part of the required General Studies for Walla Walla University.

This sample guide is intended only to show you how a program might be arranged. Course schedules may change and it is possible that your courses will not be taken exactly in the order shown. Your academic advisor will help you design a program around your educational needs and goals.