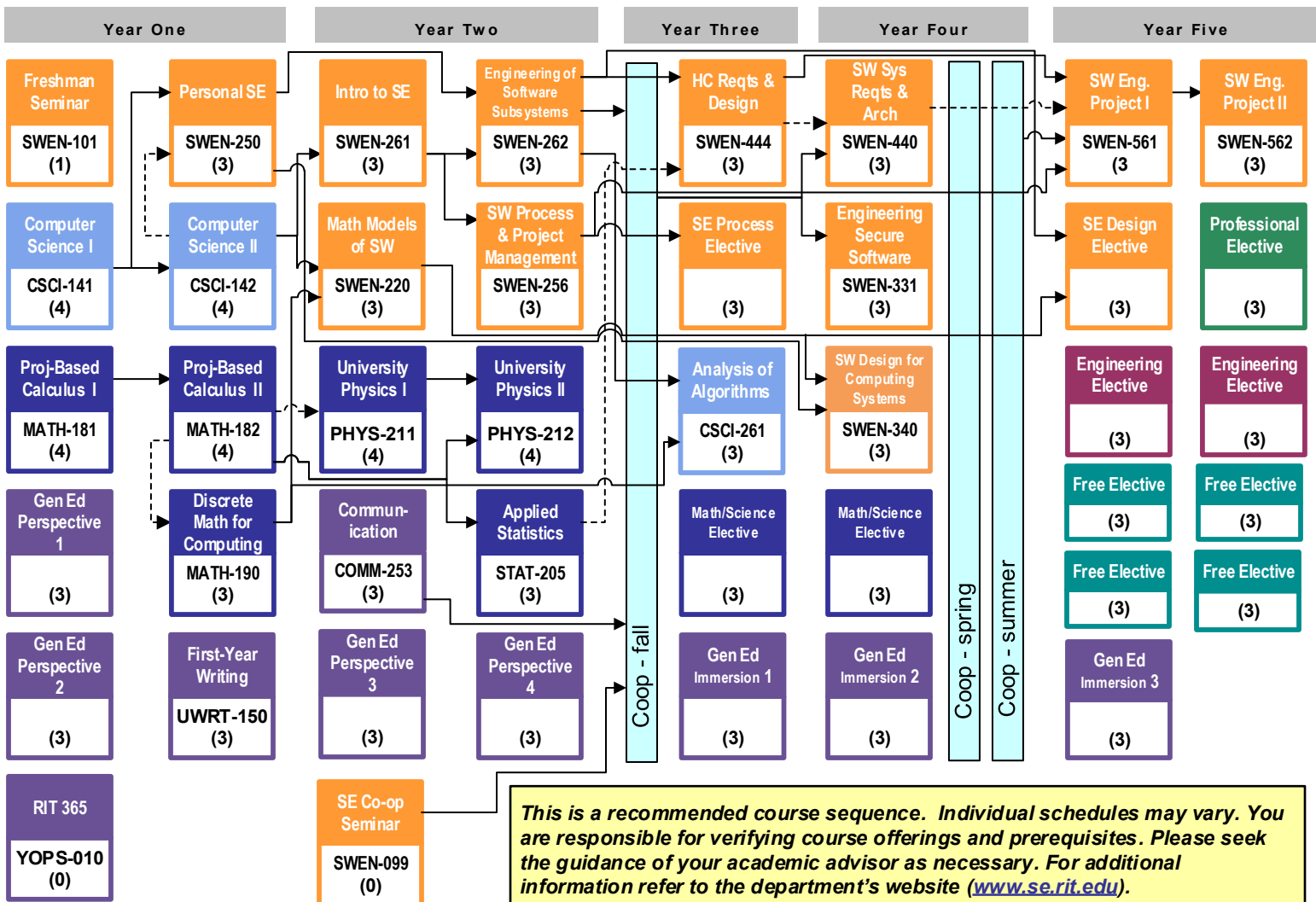


# Department of Software Engineering

## UNDERGRADUATE CURRICULUM

Course Sequence v9.1  
Last Updated: 5/2/19



***This is a recommended course sequence. Individual schedules may vary. You are responsible for verifying course offerings and prerequisites. Please seek the guidance of your academic advisor as necessary. For additional information refer to the department's website ([www.se.rit.edu](http://www.se.rit.edu)).***

**Software Design & Process Electives**

Software Engineering elective courses are designated as "design" or "process" electives. You are required to take one of each. For an up-to-date list of elective courses see the department website. Prerequisites vary by course.

**Professional Elective Requirement**

This course must be either an Engineering Elective or one of the Business Elective courses specified on the department website.

**Engineering Electives Requirement**

Take two courses from any of the following:

- Software Engineering electives
- Course offered by KGOE (see restrictions on department website and check course with your advisor before registering)
- Select Computer Science courses (see course listing on department website)

Courses need not be from the same discipline; pre-requisites apply.

**Math/Science Electives**

These two courses must be offered by a program in the College of Science that is either a required course or valid elective course in that program. See department website for recommendations and approval process.

**General Education Framework**

This curriculum satisfies RIT's General Education Framework requirements. See the RIT website for more details.

**Perspectives:** Complete a course in each of the Social, Artistic, Ethical, and Global perspective categories. The other three perspectives are specified by required courses in the SE program.

**Immersion:** Select an Immersion approved in the General Education Framework. An immersion consists of three pre-defined upper level courses focusing on one topic area.

**Wellness Education Requirement**

Complete two different wellness classes with distinct course numbers. Details and a list of courses can be found on SIS via the "activity" attribute.

**Key**

<span style="background-color: orange; width: 15px; height: 10px; display: inline-block;"></span> Software Engineering Courses
<span style="background-color: lightblue; width: 15px; height: 10px; display: inline-block;"></span> Computer Science Courses
<span style="background-color: lightgreen; width: 15px; height: 10px; display: inline-block;"></span> Computer Engineering Courses
<span style="background-color: purple; width: 15px; height: 10px; display: inline-block;"></span> Engineering Electives
<span style="background-color: darkgreen; width: 15px; height: 10px; display: inline-block;"></span> Professional Elective
<span style="background-color: darkblue; width: 15px; height: 10px; display: inline-block;"></span> Math and Science Courses
<span style="background-color: mediumpurple; width: 15px; height: 10px; display: inline-block;"></span> General Education
<span style="background-color: teal; width: 15px; height: 10px; display: inline-block;"></span> Free Electives

Course Name  
Course Number (Credits)

→ Prerequisite  
 - - - - - Corequisite

**Courses with "C- or Better" Grading Requirements**

Some courses require a C- or better to progress (see pre-requisites listed on SIS), including but not limited to:

- Calculus sequence
- Computer Science sequence
- University Physics sequence
- Software Subsystems, SWEN-262

**Co-op**

The co-op requirement is a minimum of two semesters and one summer. You must fulfill this requirement before registering for Senior Project (SWEN-561). You are responsible for coordinating academic terms within your course schedule to complete co-ops.

Pre-requisites for co-op include:

- Engineering of Software Subsystems (SWEN-262 with C- or better)
- Communication (COMM-253)
- SE Co-op Seminar (SWEN-099)