

Conifer High School

Concurrent Enrollment Courses

Course	Description	Credits
BIO 111 <i>Spring Enrollment</i>	<p>General College Biology High School Instructor: Christine Stricker</p> <p>Examines the fundamental molecular, cellular, and genetic principles characterizing plants and animals. This course includes cell structure and function and the metabolic processes of cellular respiration, photosynthesis, cell reproduction, and basic concepts of heredity. This course includes laboratory experience.</p> <p>Prerequisites: ACT Scores: English 18 and Math 19 SAT Scores: Verbal 440 and Math 460 Accuplacer Scores: Sentence Skills 95 and Elementary Algebra 60</p>	5
BIO 111 <i>Spring Enrollment</i>	<p>General College Biology High School Instructor: Jessie McFadden-Barr</p> <p>Examines the fundamental molecular, cellular, and genetic principles characterizing plants and animals. This course includes cell structure and function and the metabolic processes of cellular respiration, photosynthesis, cell reproduction, and basic concepts of heredity. This course includes laboratory experience.</p> <p>Prerequisites: ACT Scores: English 18 and Math 19 SAT Scores: Verbal 440 and Math 460 Accuplacer Scores: Sentence Skills 95 and Elementary Algebra 60</p> <p>Plans of Study: http://www.rccc.edu/biology/degree http://www.rccc.edu/degrees-certificates</p>	5

<p>CAD 101</p> <p><i>Fall and Spring Enrollment</i></p>	<p>Computer Aided Drafting I High School Instructor: Jaclyn Miller</p> <p>Focuses on basic computer-aided drafting skills using the latest release of CAD software. The course includes file management, Cartesian coordinate system, drawing set-ups, drawing aids, layer usage, drawing geometric shapes, editing objects, array, text applications, basic dimensioning, and Help access.</p> <p>Prerequisite: N/A</p>	<p>3</p>
<p>CAD 102</p> <p><i>Fall and Spring Enrollment</i></p>	<p>Computer Aided Drafting II High School Instructor: Jaclyn Miller</p> <p>Focuses on advanced computer aided drafting skills using the latest release of CAD software. Includes blocks and wblocks, polylines, multilines, polyline editing, advanced editing, editing with grips, hatching, isometric drawings, dimensions and dimension variables, paper space and viewports, templates, external references, and printing/plotting.</p> <p>Prerequisite: N/A</p>	<p>3</p>
<p>AEC 101</p> <p><i>Fall and Spring Enrollment</i></p>	<p>Basic Architectural Drafting High School Instructor: Jaclyn Miller</p> <p>Introduces the student to basic architectural drafting techniques. Topics explored in lecture and through project work include: use of instruments, geometric construction, multiview, oblique and isometric projections, and basic construction drawings.</p> <p>Prerequisite: CAD 102 or permission of instructor</p>	<p>4</p>
<p>AEC 102</p> <p><i>Fall and Spring Enrollment</i></p>	<p>Residential Construction Drawing High School Instructor: Jaclyn Miller</p> <p>Examines ideas, sketches, and layouts to create working drawings of a design relative to the certificate of degree program while working within Industry Standards. Projects require full documentation details and the presentation of working drawings. 3D applications are used and "real world" methods are taught through the course of the semester, from basic understanding to the most complex</p>	<p>4</p>

	<p>design.</p> <p>Prerequisites: AEC 101 or permission of Instructor</p> <p>Plans of Study: http://www.rccc.edu/engineering-graphics-technology/degrees-and-certificates</p>	
<p>CAD 202</p> <p><i>Fall and Spring Enrollment</i></p>	<p>Computer Aided Drafting 3D</p> <p>High School Instructor: Jaclyn Miller</p> <p>Focuses on construction of three-dimensional objects using the latest release of CAD software. Includes mesh modeling, surface modeling, solid modeling, extrusions, Boolean operations, 3D editing, 3D views, rendering, materials and advanced lighting, walkthrough and flyby animations and 3D Solids to 2D Layouts</p> <p>Prerequisites: N/A</p>	3
<p>CAD 262</p> <p><i>Fall and Spring Enrollment</i></p>	<p>3D Printing</p> <p>High School Instructor: Jaclyn Miller</p> <p>Provides the student with the ability to blend the virtual and real design worlds together through the use of 3D Scanning, 3D CAD Modeling, and 3D Printing.</p> <p>Prerequisites: N/A</p> <p>Plans of Study: http://www.rccc.edu/engineering-graphics-technology/degrees-and-certificates</p>	3