

SOLIDWORKS CERTIFICATE

11 Semester Credit Hours; Curriculum: 0261

The Solidworks Certificate prepares students for CAD design and drafting positions using SolidWorks Parametric Modeling software. Solidworks is used by manufacturing and engineering companies to design parts and assemblies and to analyze their functions using computer engineering techniques. Possible job positions include Mechanical draftsman and Industrial designer.

Code	Title	Hours
Courses for a Certificate		
CAD 230	Introduction to SolidWorks	3
CAD 232	Intermediate SolidWorks	4
CAD 234	Advanced SolidWorks	4
Total Hours		11

SolidWorks Certificate Pathway

The following Pathway is recommended for students pursuing SolidWorks Certificate.

First Year		Hours
Semester One		
CAD 230	Introduction to SolidWorks	3
	Hours	3
Semester Two		
CAD 232	Intermediate SolidWorks	4
	Hours	4
Second Year		
Semester One		
CAD 234	Advanced SolidWorks	4
	Hours	4
	Total Hours	11

Note: Pathway is a recommended sequence of courses. Students should contact the program coordinator with questions about course prerequisites and recommendations.

Program Learning Outcomes

1. Create parametric 3D models to design and build mechanical parts and assemblies.
2. Evaluate computer models based on critical thinking and problem solving skills.
3. Apply Parametric Modeling to manufacturing and engineering concepts.
4. Setup sheets for plotting with text, dimensions, and details.