

MET 1301: SolidWorks Basics

Credit Type – Articulated (AA)



MIAMI VALLEY
TECHPREP
CONSORTIUM

Course Description and Learning Outcomes:
https://www.sinclair.edu/course/params/subject/MET/courseNo/1301/
Faculty Pathway Specialist(s) (Please include name, email and office hours):
Michael Neal, michael.neal1@sinclair.edu
What credential(s) is/are required to earn this credit?
Certified SOLIDWORKS Associate in Mechanical Design ACADEMIC VERSION (CSWA-Academic) https://www.solidworks.com/sw/support/cswa-academic.htm *Credit Awarded by State or National Accreditation via credit capture process. Copies of cards or certificates must be submitted to MVTPC before credit can be posted
What credentialing body(ies) should be used?
SOLIDWORKS Academic Certification Provider program
What documentation is required to earn the credit?
Proof of certificate of passing score of CSWA.
Resources Needed to Offer Course (software, equipment, books [include ISBN and edition], etc. – please include any associated costs):
Software – SolidWorks, current academic year version. Text - Engineering Graphics with SOLIDWORKS 2024 A Step-by-Step Project Based Approach, David C. Planchard CSWP, 2025, SDC Publications ISBN: 978-1-63057-694-3
Additional course details or requirements important for instructors not covered above:
Most common (or popular) degrees this course is in?
Mechanical Engineering Technology (MEGT.S.AAS) Students are advised to consider the short-term technical certificate Additive Design Specialist (ADS.S.STC) as an excellent steppingstone to the Mechanical Engineering Technology degree. The certificate includes MET 1301 and two (2) additional additive manufacturing courses (MET 1401 and MET 1431).