

MET 1401: Additive Design & Printing
Credit Type – **Articulated** (AA)



MIAMI VALLEY
TECHPREP
CONSORTIUM

Course Description and Learning Outcomes:
https://www.sinclair.edu/course/params/subject/MET/courseNo/1401/
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 Additive Manufacturing Fundamentals (CAMF)
What credentialing body(ies) should be used?
SME (the Society of Manufacturing Engineers) https://www.sme.org/training/additive-manufacturing-certification/
What documentation is required to earn the credit?
Proof of passing score on CAMF exam. A minimum score of 70% is required.
Resources Needed to Offer Course (software, equipment, books [include ISBN and edition], etc. – please include any associated costs):
<p>Exam questions are developed from the recommended reading: Gibson, Ian, Rosen, David, and Strucker, Brent. <i>Additive Manufacturing Technologies: 3D Printing, Rapid Prototyping, and Direct Digital Manufacturing</i>, Second Edition. Springer, 2015. ISBN 978-149 392 1126.</p> <p>Additional resources are available online: https://www.sme.org/training/additive-manufacturing-certification/recommended-reading/</p> <p>3D Printer access is required.</p>
Additional course details or requirements important for instructors not covered above:
Most common (or popular) degrees this course is in?
<p>Mechanical Engineering Technology MEGT.S.AAS Students are encouraged to consider the short-term certificate Additive Design Specialist ADS.S.STC, which provides a great way to begin the Mechanical Engineering Technology MEGT.S.AAS program. In addition to MET 1401, the short-term certificate includes MET 1431 Additive Manufacturing Post Process and MET 1301 SolidWorks Basics OR MET 1231 Introduction to Drafting & Design using Inventor.</p>