

MET 1231: Introduction to Engineering Design Using 3D CAD  
Credit Type – **Articulated (AA)**



MIAMI VALLEY  
**TECHPREP**  
CONSORTIUM

<b>Course Description and Learning Outcomes:</b>
<a href="https://www.sinclair.edu/course/params/subject/MET/courseNo/1231/">https://www.sinclair.edu/course/params/subject/MET/courseNo/1231/</a>
<b>Faculty Pathway Specialist(s) (Please include name, email and office hours):</b>
Nate Goodrich, <a href="mailto:nathan.goodrich@sinclair.edu">nathan.goodrich@sinclair.edu</a>
<b>What credential(s) is/are required to earn this credit?</b>
<b>PLTW:</b> Scale score of 420 <b>OR</b> Stanine of 6.
<b>What credentialing body (ies) should be used?</b>
PLTW
<b>What documentation is required to earn the credit?</b>
Proof of passing score with scale score of 420 or stanine of 6. Score sheet must be submitted for review.
<b>Resources Needed to Offer Course (software, equipment, books [include ISBN and edition], etc. – please include any associated costs):</b>
No book is required.  Students need access to Inventor or Fusion 360. They can get a free version here: <a href="https://www.autodesk.com/education/edu-software/overview">https://www.autodesk.com/education/edu-software/overview</a>
<b>Additional course details or requirements important for instructors not covered above:</b>
Both instructor and student need to be PLTW. Student will receive passing AA credit for meeting score requirements noted above.
<b>Most common (or popular) degrees this course is in?</b>
Manufacturing Engineering Technology (MENT.S.AAS) Mechanical Engineering Technology (MEGT.S.AAS)

