

Computational Resources for MAE Design

Site under Construction

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Access

- In-person access is available in EB2-203, 205, and 239
- Remote access:
 - UCSD Cloud Computing: <https://cloudlabs.ucsd.edu/>
 - [VPN](#) access is required for much of off-campus use.
 - Most MAE Engineering resources are at



AppStream MAE Desktop

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- CES Material Selector is under:



AppStream MAE EDUPACK APP

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- CES is also accessible in the computer Lab EBU2-239 on computers 1-10.
- Desktop
 - You can adjust Screen Resolution by clicking the Gear icon in the top menu of AppStream.
 - To reboot of AppStream click the "Profile" drop down menu in the upper-right corner. Then, click "End Session."
- UCSD Downloadable Software
 - [Matlab and Simulink](#)
 - [SolidWorks](#)
 - [Autodesk Products](#)
 - [Ansys](#)
 - [Mathematica](#)
 - [Labview](#)
 - [Complete List](#)

CAD Resources

ACMS has setup [Virtual Machines](#) for MAE156B students, which allow you to run certain software from any mac or PC. Software packages include:

- Autodesk AutoCAD and Inventor
- Working Model 2D
- Matlab
- Solidworks
- Creo-Pro
- Ansys

Tips using dropbox is a convent way to move files on and off of the Virtual Machine

- *Go to [dropbox.com](https://www.dropbox.com) to download*
- *During install it will require you to install under your username, not the administer, but that works fine*
- *Choose custom install so you only sync the folders you want. Also it helps to install in your documents folder.*

Sharing CAD files among team members can be organized by a free package from www.teamplatform.com (UCSD alumni work there).

Tutorials

- [Audesk Inventor and AutoCAD Tutorials from MAE 3](#)
- [3D Printing Design and Printing Tips](#)
- [Excel Tutorial](#)
- [CES Material Selector](#)
- [Solid Professor](#) has Tutorials on most CAD packages and some analysis packages. UCSD's Jacobs School of Engineering has purchased access for all engineering students.
- Access at: <https://www.solidprofessor.com/student-store/school>

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University of California San Diego (UCSD) ▾