Campuses
What’s the deal with them?

We spend the majority of our daily lives on a Campus of some kind
3D visualizations enable better spatial understanding
Esri CityEngine: Creating 3D Campuses

Agenda

- Campus Editing Template
- 3D-Enable Campus Layers
  - Buildings
  - Trees
  - Interiors
- 3D Modeling in CityEngine
- Sharing Scenes on ArcGIS Online
Campus Editing is an ArcGIS for Desktop editing map and set of editing workflows for managing building, interior space and related exterior campus data. It is an editing map that can be used by mapping technicians in a college university, private corporation, or public works agency to streamline the collection, maintenance and use of asset information.

Campus Editing can be used to capture interior and/or exterior assets on a university or business campus. It can also be used by government agencies to capture these same assets in a downtown, or on government complex or military base. These interior and exterior assets are the foundation for a variety of desktop, mobile and web mapping applications deployed to support facilities management, education, public works, planning, and military business needs.

This editing map supports two data management workflows. These workflows can be optimized to support the format of your facilities source data and used to create and/or import interior and exterior features. For example, there are workflows that help you:

- Add exterior facilities and assets on your campus using high resolution imagery as a guide
- Add buildings, floors, and interior spaces using a georeferenced scan of a building floor plan as a guide

Campus Editing also includes an add-in called the Attribute Assistant. The add-in is an editor extension that uses a series of pre-defined methods to automatically populate attributes for you when updating and/or adding new campus interior or exterior features to the geodatabase. For example, one method will automatically populate the name of a building’s FacilitySite ID by intersecting with the FacilitySite polygon feature it resides within. Other methods will help you maintain the integrity of your campus data by populating the last editor and last update date on each feature.

You can configure the Campus Editing map for your organization and, in doing so, learn how to update and maintain campus and facility data using ArcGIS and your organization’s data.
Campus Basemaps: 2D † 3D

2D Feature Omission

- trees, -fences, -buildings
Collecting Campus Layers: 3D Trees

Demo
3D Modeling with CityEngine

Demo
ArcGIS for Professionals

## Campus Resources & Links

- **Campus CityEngine Project (Project, CE Rules, Sample Data)**

- **Campus Editing Template for 10.2 (Local Government)**

- **3D Cities Base Layer Workflows (ArcGIS for Professionals)**
Thank you...

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