

Advanced CAD

Prerequisites – Beginning CAD or a **comfortable** understanding of the basics of AutoCAD, concurrent enrollment in Tech Studio. Basic drafting skills in AutoCAD will be assumed, the focus of this course is to build upon those skills.

Time – MF, 12:00 – 12:50, plus in-studio instruction, desk crits and troubleshooting during studio hours. TWO (2) Credits and Pass/No Pass only. You will need to set this up when you register for the course.

My time in studio will vary with the studio workload, but I typically set aside 2 hours minimum each week to be in studio to answer questions.

Course Goals - This course will expand upon the basics of AutoCAD, and will be directly related to the work being done in the tech studio. The emphasis will be on creating a full set of Construction Documents, the skills required to do this, and will include exercises that will build upon and facilitate work done in studio.

Topics covered will include:

- Xrefing CAD files from various sources.
- Preparing base information from various sources for use in the design development process.
- Importing, scaling, and using raster images to speed CAD production.
- Using templates and office standards.
- Design process and how construction documents and details inform design development. The design process is far from over when you put the Prismacolors down!
- Creation of a Site Plan, Layout Plan, Grading Plan, Lighting Plan, Planting Plan and Detail Sheets.
- Creating detailed plans, sections and elevations using AutoCAD.
- Maintaining a standard style throughout the construction set and creating a portfolio-worthy set of Construction Documents.
- E-transmit and sharing of digital files.
- Plotting digital and hard copy.
- File management in an office environment.

Students will be expected to register for this class as a “special problem” course (LA 406/606).

Please see Chad in the Department of Landscape Architecture to fill out the Pre-Authorization Booklet and to obtain the CRNs. You will register for the CRN, provided by Chad. At that time, you will change the number of credits to two (2) and the grading option is Pass/No Pass only.