

Drafting/ Pre-Engineering

Instructor: Robert Companion

Location: NTCC (Bean Center) Room T-204

About the Program

The Drafting Program teaches students to apply the skills they have attained in their math, science, and communication courses to solve complex problems and design solutions for real-world applications. A background in drafting is essential for students interested in careers in engineering, architecture, surveying, or design.

In the drafting lab, students have access to all Autodesk design software programs including AutoCAD, Civil 3D, Revit, and Inventor. Autodesk software is recognized globally by industry and employers as the foremost design software utilized by design professionals. First year students may earn AutoCAD certification.

The Construction Trades Advisory Board provides direction to the program. This board consists of employers and industry leaders from numerous organizations including the Nassau County Building Department, Donna Lynne Custom Homes, the Florida Department of Transportation, Lowe's, Cash Building Material, the Northeast Florida Builders'

Association, the Florida Masonry Apprentice and Educational Foundation, Habitat for Humanity, the Iron Workers Association of Apprenticeship and Training, and the International Association of Sheet Metal Workers Union. Interaction with the board helps ensure that the program delivers instruction consistent with the expectations of local employers. Many employers represented on the board offer apprenticeship programs and other employment opportunities.



About the Instructor

Robert T. Companion is a local civil engineer employed by Rayonier Advance Materials. He has over sixteen years of experience as an architectural designer, twelve years of experience as a senior civil designer, eight years of teaching experience, and two years of mechanical and piping

design. Mr. Companion works full time as a Project Engineer, but enjoys sharing his knowledge, skills, and experience with his class every morning.

Drafting/Pre-Engineering Program

Classes are scheduled on a full-year basis following the progression below:

1st Year	8725010 - Drafting 1 (Full Year 1 Credit Course, Weighted GPA) 7:00 a.m. to 8:25 a.m., M/W/F
2nd Year	8725020 - Drafting 2 (Full Year 1 Credit Course, Weighted GPA) 7:00 a.m. to 8:25 a.m., T/W/R
3rd Year	8725030 - Drafting 3 (Full Year 1 Credit Course, Weighted GPA) 7:00 a.m. to 8:25 a.m., T/W/R
4th Year	8725040 - Drafting 4 (Full Year 1 Credit Course, Weighted GPA) 7:00 a.m. to 8:25 a.m., T/W/R

- Program available to all Nassau County students in grades 8 through 12
- The program is geared toward students wishing to pursue careers in engineering or architecture
- Students may earn AutoCAD Certification and articulated college credit
- Successful students will earn one weighted, honors-level high school credit per year
- These are full-year courses which require a full-year commitment on the part of the student
- Students will need to provide their own transportation for this program



Nassau County School Board Equity and Non-Discrimination Statement

The School Board of Nassau County, Florida, does not discriminate in admission, access, treatment or employment in its programs and educational or extra-curricular school activities on the basis of race, color, religion, age, sex, national origin, marital status, disability, genetic information, sexual orientation, gender identity or expression, or any other reason prohibited by law. The School Board also provides equal access to the Boy Scouts of America and other patriotic youth groups. The following district contacts have been designated to handle inquiries regarding non-discrimination and harassment policies, reports of alleged violations, concerns about compliance and/or the grievance procedure(s): (904) 491-9900

Lewis "Red" Bean Nassau Technical Career Center

The Nassau Technical Career Center (NTCC) is a unique partnership between the Nassau County School District and Florida State College at Jacksonville that offers both high school and college credit programs in a variety of careers. The NTCC features fully-equipped, technology-enhanced classrooms and labs. Students can receive job training, earn industry credentials, and credits toward a college degree while in high school.

