

CONSTRUCTION TECHNOLOGY (CNST)

CNST A001N **27 Hours (27 lecture hours)**
Principles of Construction Noncredit
Grading Mode: P/NP/SP Noncredit
 Not Transferable.

An introductory course to construction covering, hand and power tools, building code development and applications, blueprints, license and contract law, jobsite safety and construction trades. Noncredit. Pass/No Pass/Satisfactory Progress. NOT DEGREE APPLICABLE.

CNST A008N **30 Hours (20 lecture hours; 10 lab hours)**
Solar Panels for Small Projects Noncredit
Grading Mode: P/NP/SP Noncredit, Letter Noncredit
 Not Transferable.

Solar Panels for Small Projects is a 5 week course that introduces solar energy basics for small, off-grid photo voltaic installations. The course will cover solar energy fundamentals, electricity and safety basics, PV modules, system components, and system sizing. Students will plan out their own project or a small sample project. A small kit system will be available for hands-on demonstrations. No prior experience needed. Same as ARCH A008N. Noncredit. Pass/No Pass/Satisfactory Progress or Noncredit Letter Grade. NOT DEGREE APPLICABLE.

CNST A009N **81 Hours (27 lecture hours; 54 lab hours)**
Concrete Flatwork Noncredit
Grading Mode: P/NP/SP Noncredit
 Not Transferable.

Concrete flatwork, hands-on forming, placement and a variety of concrete finishes. Noncredit. Pass/No Pass/Satisfactory Progress. NOT DEGREE APPLICABLE.

CNST A010N **162 Hours (54 lecture hours; 108 lab hours)**
Concrete Construction Noncredit
Grading Mode: P/NP/SP Noncredit
 Not Transferable.

Concrete flatwork and foundations, hands-on surveying, forming and finishing concrete; poured-in-place reinforced concrete, concrete stairs; estimating concrete. Noncredit. Pass/No Pass/Satisfactory Progress. NOT DEGREE APPLICABLE.

CNST A012N **81 Hours (27 lecture hours; 54 lab hours)**
Stair Framing Noncredit
Grading Mode: P/NP/SP Noncredit
 Not Transferable.

Topics of instruction include stair design, building codes, calculations, layout and construction. Practical instruction is given in the use of tools and materials through construction laboratory work. Noncredit. Pass/No Pass/Satisfactory Progress. NOT DEGREE APPLICABLE.

CNST A040N **162 Hours (54 lecture hours; 108 lab hours)**
Specialty Trades Noncredit
Grading Mode: P/NP/SP Noncredit
 Not Transferable.

This introductory course covers interior and exterior building finishes and stairs, including layout fabrication and installation of stairs; an introduction to framing, pre hung door and window installation and stucco plastering . Building codes are included. Noncredit. Pass/No Pass/Satisfactory Progress. NOT DEGREE APPLICABLE.

CNST A041N **162 Hours (54 lecture hours; 108 lab hours)**
Finish Carpentry Noncredit
Grading Mode: P/NP/SP Noncredit
 Not Transferable.

This course covers interior and exterior building finishes, including door materials, construction, hardware, and installation: interior and exterior millwork; molding, cabinetry, and exterior siding. Noncredit. Pass/No Pass/Satisfactory Progress. NOT DEGREE APPLICABLE.

CNST A054N **72 Hours (18 lecture hours; 54 lab hours)**
Drywall & Taping Noncredit
Grading Mode: P/NP/SP Noncredit
 Not Transferable.

The study of various aspects of interior drywall, including layout and installation of drywall, cornerbead and bullnose trim. Students will learn how to estimate drywall projects. They will tape the interior of a house using hand tools. Students will be introduced to professional tools such as Bazooka™, 7 & 12 inch boxes, corner angles and corner finishers, mud runners and hand tools, texture application using a 10 gallon texture sprayer and smaller hoppers. Students will apply several different textures such as knockdown, orange peel, splatter and roller finish. Patch and drywall repair to match existing finishes. Noncredit. Pass/No Pass/Satisfactory Progress. NOT DEGREE APPLICABLE.

CNST A060N **162 Hours (54 lecture hours; 108 lab hours)**
Masonry Construction Noncredit
Grading Mode: P/NP/SP Noncredit
 Not Transferable.

Covers masonry materials, construction and blueprint reading with estimating, construction masonry block walls, paving, veneering, brick and stone pilasters, brick walls and planter boxes, stucco over masonry. Noncredit. Pass/No Pass/Satisfactory Progress. NOT DEGREE APPLICABLE.