

ADT - ARCHITECTURAL DESIGN TECH

ADT 120 - Introduction to LEED and Sustainable Building **Units: 3**

This course will survey the Leadership in Energy and Environmental Design (LEED) construction methods, techniques, materials and associated points system. Discussions will include Green building and how they increase productivity, improve health, conserve the Earth's resources, and cost less to operate and maintain than standard construction types. Other areas to be discussed will include Sustainable Sites; Water Efficiency; Energy and Atmosphere; Materials and Resources; Indoor Environmental Quality; and Innovation and Design Process. Case studies will be examined and used to identify the specific construction methods, point accumulation and how it assists in conservation.

Term Offered: Spring and Fall

ADT 198 - Special Topics in ADT **Units: 0.5-6**

Various short courses and experimental classes covering a variety of subjects. The course will be variable credit of one-half to six depending on the class content and number of hours required. The course may be repeated for up to six credits.

Transferability: May not transfer towards an NSHE bachelor's degree

ADT 230 - Mechanical and Electrical Equip for Buildings **Units: 3**

Basic design computations and drafting concepts used in selection and layout of mechanical and electrical systems for buildings. Two hours lecture and three hour lab.

Transferability: May not transfer towards an NSHE bachelor's degree

Enrollment Requirements: Prerequisite: AAD 125.

Term Offered: Fall

ADT 245 - Statics and Strength of Materials **Units: 3**

This course provides students an introduction to the fundamental study of statics or external forces upon rigid bodies and how the internal strength of materials or stresses within a structural member react to various load conditions and applications. Students will study vector resultants, calculate equilibrium of forces, design truss solutions, analyze material stresses and strains and cover advanced topics including load tracing, deflection and calculating moment and shear force diagrams.

Transferability: May not transfer towards an NSHE bachelor's degree

Enrollment Requirements: Prerequisite: MATH 108 or higher or qualifying

Accuplacer.

Term Offered: Spring

ADT 290 - Intern in Arch Design Technology **Units: 1-8**

A course designed wherein students will apply knowledge to real on-the-job situations in a program designed by a company official and a faculty advisor to maximize learning experiences. Available to students who have completed all core and major requirements and have a 2.5 GPA. Contact the appropriate chairperson for an application, screening and required skills evaluation. Up to eight semester hour credits may be earned on the basis of 75 hours of internship for one credit. The course be repeated for up to eight credits.

Transferability: May not transfer towards an NSHE bachelor's degree

Enrollment Requirements: Prerequisite: AAD 100.

Term Offered: AS NEEDED