Architectural Drafting Courses

Architectural Drafting
Scope and Sequence, Grades 9-12

Architecture Systems 1 & 2
1 Credit, Gr. 9, 10, 11, 12
Course # 3730

Architecture Systems 3
1 Credit, Gr. 10, 11, 12
Course # 3731

Architecture Capstone 4
1 Credit, Gr. 10, 11, 12
Course # 3732

Architecture Capstone 3 & 4
2 Credits, Gr. 10, 11, 12
Course # 3733

Drafting Systems RISE
1 Credit, Gr. 11, 12
Course # 3744

RICE (Racine Industrial Cooperative Education)
2 Credits, Gr. 12
Course # 3797

Architecture Systems 1 & 2
Prerequisite: None. This course has been designed to give the student an understanding of good residential planning. The students will become familiar with various housing styles and create their own personal design while developing a series of plans including floor, foundation and elevations. While making the drawings, the students will become familiar with room sizes and arrangements, architectural symbols and blueprint reading. The student will also be introduced to Computer Aided Drafting (CAD) using Auto CAD Architecture. (Lab/Material fee required.)

Architecture Systems 3
Prerequisite: Architecture Systems 1 & 2; Department Approval. This course is a continuation of the Drafting Systems Architecture 1 & 2 course. Students will draw a set of plans for a residential building house. There will be a greater emphasis on quality and completeness of these plans. Greater latitude is allowed in the size and design of the house. Students will have an opportunity to do other drawing plans for a house design using Auto CAD Architecture. Students will also have an opportunity to make a presentation model of the house they designed. The Model Bridge Contest at the University of Wisconsin-Platteville is also included. (Lab/Material fee required.)

Architecture Capstone 4
Prerequisite: Architecture 1 & 2; Department Approval. This is a vocational CAD drafting course. The student will design and draw the plans for a commercial building such as an apartment building or restaurant. The student will do research work on such topics as insulation, electrical and plumbing requirements, estimating (microcomputer), structural metals, etc. Students will also have an opportunity to make a presentation model of their architectural project building they designed. Technical math is integrated into the course. The Model Bridge Contest at the University of Wisconsin-Platteville is also included. (Lab/Material fee required.)

Architecture Capstone 3 & 4
Prerequisite: Architecture Systems 1 & 2, Department Approval. This is a vocational CAD drafting course. Students will design and draw the plans for a commercial building. Students will do research work on such topics as insulation, electrical and plumbing requirements, estimating (microcomputer), structural metals, etc. Students will also have an opportunity to make a presentation model for their architectural project building they designed. Technical math is integrated into the course. The Model Bridge Contest at the University of Wisconsin-Platteville is also included. (Lab/Material fee required.)

Drafting Systems RISE
Prerequisite: Completion of Drafting Systems Capstone 3 & 4; Department Approval. The student who has completed the full Drafting program, who chooses to pursue advanced training in the field of Engineering and Architectural Design. Department approval is required for RISE credit. (Lab/Material fee required.)

RICE (Racine Industrial Cooperative Education)
Prerequisite: Concurrent enrollment or completion of a capstone course or approval of Technology Education Coordinator and enrollment in the course entitled, "World of Work-RICE" (3796). This training program between the school and community is arranged for selected seniors to gain experience on the job. Students must be enrolled in or have completed a technology course. Trainees are matched to a trade or industrial training station and are paid the minimum wage or more for 15-20 hours per week in the afternoon.