

280. Problems in Industrial Arts Research (2)

Seminar in research procedures in the industrial arts; basic bibliography, research form and method.

281. Research Design in Industrial Education (3)

Research formats and applied experimentation techniques; critical path analysis and program evaluation review techniques.

284T. Topics in Industrial Technology (2-3; max total 9 on master's degree if no area repeated)

Advanced study in technical areas; current industrial practices, developments, and trends related to design, materials, and processes.

285. Planning Industrial Arts Facilities (2)

Planning and organizing various types of school shops; architectural considerations, selection and specifications of equipment. (field trips)

286. Safety and Related Problems (2)

Research and study of safety problems in industrial education; planning and evaluation of specific safety programs.

287. Planning and Organizing Industrial Arts Curriculum (3)

Prerequisite: S Ed 161, or S Ed 153, or permission of instructor. Modern industrial arts curriculum; organization and management; recent trends concerned with equipment, supplies, content, safety, and methods.

288. Seminar in Industrial Arts and Technology (2-3; max total 6 on master's degree)

Advanced individual and group study of selected problems: organizational relationships, effective communication of ideas, technological trends and developments, economic and social considerations.

290. Independent Study (1-3; max see reference)

See *Academic Placement—Independent Study*.

299. Thesis or Project (2-4; max total 4)

Prerequisite: see *Master's Degrees—Thesis Requirement*. Preparation, completion, and submission of an acceptable thesis or project for the master's degree.

IN-SERVICE COURSE

(See *Course Numbering System*.)

341. Problems in Industrial Arts (2-3; max total 6 if no area repeated)