

**IA 285. Planning Industrial Arts Facilities (2)**

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

**IA 286. Safety and Related Problems (2)**

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

**IA 287. Planning and Organizing Industrial Arts Curriculum (2)**

Modern industrial arts curriculum; organization and management; recent trends concerned with equipment, supplies, content, safety, and methods.

**IA 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.

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

See *Regulations and Procedures—Independent Study*.

**IA 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 COURSES**

*Note: In-service courses (300 series) are not intended for use on degrees except by special, prior approval. See Extension and Summer Session Bulletins for course descriptions.*

**IA 341. Problems in Industrial Arts (2; max 6 if no area repeated)**