

**181. Automatic Control (2)**

Prerequisite: Engr 70, 151, 151L, 156, 156L, Math 81. Theory and application of automatic control techniques; including hydraulic, pneumatic, electrical and electronic, inertial guidance, and nonlinear devices and systems; design, response, and stability of control systems.

**181L. Automatic Control Laboratory (1)**

Experiments and computations on automatic control devices and systems.

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

See *Regulations and Procedures—Independent Study*.

**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.*

**311. Professional Examination Review (2; may be repeated in different fields)**

**321. Professional Engineering Seminar (1-3; may be repeated in different fields)**