

# SOLID STATE TECHNOLOGY (SST)

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**SST 684 Modern Microstructural Techniques (3 Credits)**

*Engineering & Comp Sci*

Cross-listed with MTS 684

Basic principles, capabilities and applications of various microstructural methods not covered in MTS 581 and MTS 682. Scanning electron microscopy, electron probe microanalysis, X-ray fluorescence, field ion microscopy.

Advisory recommendation Prereq: MTS 581

**SST 800 Selected Topics (1-6 Credits)**

*Engineering & Comp Sci*

Exploration of a topic (to be determined) not covered by the standard curriculum but of interest to faculty and students in a particular semester.

Repeatable

**SST 820 Selected Topics in Solid-State Science and Technology (1-4 Credits)**

*Engineering & Comp Sci*

Recent developments in the field.

Repeatable

**SST 990 Independent Study (1-6 Credits)**

*Engineering & Comp Sci*

Exploring a problem or problems in solid-state science. Individual independent study upon plan submitted by student.

Repeatable

**SST 997 Masters Thesis (0-6 Credits)**

*Engineering & Comp Sci*

Repeatable

**SST 999 Dissertation (1-15 Credits)**

*Engineering & Comp Sci*

Repeatable