

# SOFTWARE ENGINEERING (SOFT)

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## **SOFT 423 Software Requirements Units: 3.00**

An integrated approach to discovering and documenting software requirements. Identification of stakeholders; customer, operator, analyst, and developer perspectives. Requirements elicitation. Transition from initial (informal) requirements to semi-formal and formal representations. Requirements analysis process; analysis patterns. Requirements specification techniques. Relation to architecture and user interface design; traceability of requirements. Alternately offered as CISC 423.

**Requirements:** Prerequisite: CMPE 223 Corequisite: CMPE 322 Exclusion: CISC 423

**Offering Term:** W

**Offering Faculty:** Fac of Engineering Appl Sci

## **SOFT 437 Performance Analysis Units: 3.00**

Analytic and empirical evaluation of the performance of software systems. Performance modeling. Experimental design and statistical techniques for empirical performance analysis. Alternately offered as CISC 437/3.0.

**Requirements:** CMPE 324 (CISC 324) or ELEC 377

**Offering Term:** W

**Offering Faculty:** Fac of Engineering Appl Sci