**COMP 595MC/L – Mobile Computing**

Prerequisites: COMP 380/L and COMP 322/L. Discussion of issues related to the design, development, networking, and deployment of mobile computing system for pervasive and mobile applications. Lab: three hours per week.

**COMP 598EA – Embedded Applications**

Prerequisites: COMP 322/L and experience with assembly languages. Embedded systems present cost effective, challenging and flexible computational platforms. Instruction in the unique aspects of embedded systems including architectures, instruction sets, development environments, concurrent programming, networking, applications of embedded platforms, data acquisition from sensors and interaction with surrounding environment.

**COMP 598NSP – Advanced Network Security Projects**

Prerequisite: COMP 429. Topics regarding the implementation and administration of network and information infrastructure components will be presented. Issues covered include security administration, packet filtering, proxy services and virus protection. Fundamentals of administering information services such as SMTP, DNS, LDAP and HTTP will be investigated. Internet infrastructure administration and routing protocols such as RIP, BGP and link redundancy will also be explored.