Software design and development represents one of the fastest growing segments of IT professionals who solve problems and issues in the development of mission-critical software to meet the needs of business and industry. The MSIT program in Software Design and Development prepares students for careers in this field by exposing them to real-world software design and development strategies and practices that will give them a competitive edge in the industry.

ITEC 6400 – Advanced Programming and Data Structures - Credit: 3 hours
ITEC 6410 – Object-Oriented Analysis and Design - Credit: 3 hours
ITEC 6420 – Distributed Enterprise Software Design and Development - Credit: 3 hours
ITEC 6430 – Software Testing and Quality Assurance - Credit: 3 hours
ITEC 6450 – Mobile Computing Systems and Applications - Credit: 3 hours
Software design and development represents one of the fastest growing segments of IT professionals who solve problems and issues in the development of mission-critical software to meet the needs of business and industry. This new concentration at the graduate level augments the existing Software Development concentration at the baccalaureate level. This concentration will prepare students to be leaders in the area of computer programming and software development, one of the fastest growing IT fields in the country.

Does this new track, minor, or certificate require new courses be added to the catalog?  
- Yes  
- No  
(Attach course proposals)

Will the new track, minor, or certificate require new faculty lines or other institutional resources?  
- Yes  
- No

If yes, explain:

For new minors:
- Does the new minor adhere to BoR guidelines [http://www.usg.edu/academic_affairs_handbook/section2/C731/]?  
  - Yes  
  - No  
  (Attach BoR minor notification form)

For new certificates:
- Does the new certificate adhere to BoR guidelines [http://www.usg.edu/academic_programs/changes/certificates_guidelines]?  
  - Yes  
  - No  
  (Attach BoR certificate notification form)