The University Of Toledo
New Graduate Program Proposal

* denotes required fields

College*: College of Engineering
Unit*: Chemical and Envir. Eng.
Contact Person*: Constance Schall
Phone: 530-8097
Program Code*: CHEE
Program Name*: Master of Science: non-dil
Degree to be granted (if applicable): Master
Minimum number of credit hours for completion*: 30
Proposed effective term: 201240 (e.g. 201140 for 2011 Fall)

List all courses which comprise the certificate or degree and identify term offered (summer/fall/spring):

See attached file

Identify delivery method (Online/in class/off campus):

Attach the OB/OR new program proposal:
Additional Attachment

Program Approval:

Department Curriculum Authority:
Date: 3/14/12
Department Chairperson:
Date: 3/16/12
College Curriculum Authority or Chair:
Date: 3/23/12
College Dean:
Date: 3/28/12
Graduate Council:
Date: 4/17/2012

The masters degree in the College of Engineering is offered in three options: (1) a master of science with thesis; (2) a non-thesis master of science with course work only option; (3) a non-thesis master of science with project option. To date, the non-thesis master of science with project option has not been exercised in the Department of Chemical & Environmental Engineering. To clarify this option for students in Chemical & Environmental Engineering, the requirements for this option are detailed below.

Requirements for our masters project option are consistent with those in the description stated for the College of Engineering.

Master of science degree with project option: Students are required to complete 30 credit hours of approved graduate study, including six hours of a master of science project as specified. Students are required to submit a written project report to the department after approval by the chemical engineering faculty project supervisor.

Requirements include:

Twelve (12) hours in four (4) core chemical engineering courses
- CHEE-6600 Advanced Chemical Reaction Engineering
- CHEE-6510 Advanced Chemical Engineering Thermodynamics
- CHEE-6550 Transport Phenomena I
- CHEE-6560 Transport Phenomena II

Twelve (12) hours of graduate course work (excluding Graduate Seminar). All courses must be taken at the 5000 level or higher in the College of Engineering, the College of Pharmacy, or the Biology, Chemistry, Mathematics, Environmental Sciences and Physics Departments of the College of Natural Sciences and Mathematics.

Six (6) hours of Chemical engineering Project CHEE 6920 completed to the satisfaction of the faculty project supervisor.

Continuous registration for the Graduate Seminar for full time students.