

MAR 23 2012

The University Of Toledo

COLLEGE OF
GRADUATE STUDIES
~~New Graduate Program Proposal~~ REQUIREMENT
REVISION

* denotes required fields

College*: College of Engineering Dept/Academic
Unit*: Chemical and Environmental Engineering
Contact Person*: Constance Schall Phone: 530-8097 (xxx-xxxx) Email:
constance.schall@utoledo.edu

Program Code*: CHEE
Program Name*: Master of Science: non-tr
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)

see attached file

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

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

Attach the OBOR new program proposal:

Additional Attachment

Browse...

Program Approval:

Department Curriculum Authority:

Constance A. Schall

Date: 3-16-12

Department Chairperson:

M. Lynn

Date: 3/16/12

College Curriculum Authority or Chair:

Patricia A. Lelue

Date: 3/23/12

College Dean:

Michael H.

Date: 3/23/12

Graduate Council:

P. H. Ford

Date: 4/17/2012

Date

Dean of Graduate Studies:



Office of the Provost :

Date

[Submit New Program Proposal](#)**Administrative Use Only****Effective Date:** (YYYY/MM/DD)**CIP Code:****Subsidy Taxonomy:****Program Code:****Instructional Level:**

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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-6500Advanced Chemical Reaction Engineering

CHEE-6510Advanced Chemical Engineering Thermodynamics

CHEE-6550Transport Phenomena I

CHEE-6560Transport 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.