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Engineering, M.S.E., Chemical Engineering Concentration



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All specialty aspects of chemical engineering which align with the UL Lafayette Department of Chemical Engineering faculty's areas of expertise can serve as potential specialization areas for both course selection and thesis topics. Example areas of particular emphasis by the department include materials, bioprocessing, corrosion, catalysis, sensors, separations, environmental engineering, and chemical processing.

Course Requirements

Thesis Program

For the Thesis Program, thirty (30) semester hours of graduate credit with a minimum GPA of 3.0 are required as follows: (1) a minimum of 12 credit hours of 500 and/or 400G level graduate courses in the Chemical Engineering Department, with 6 of these hours being from two department core courses which will be identified for the student upon acceptance into the program; (2) 6 credit hours achieved by successfully passing two college-level core graduate courses: ENGR 501 and MCHE 508; (3) a minimum of 3 credit hours of either mathematics, statistics, or the sciences; (4) a minimum of 3 credit hours of additional graduate course work from either the Chemical Engineering Department or another engineering department as approved; and (5) a minimum of 6 credit hours of thesis work and a thesis approved by the graduate committee. Note that each semester the Graduate Seminar Course is offered, enrollment in that course is mandatory.

Non-Thesis Program

For the Non-Thesis Program, thirty-six (36) semester hours of graduate credit with a minimum GPA of 3.0 are required as follows: (1) a minimum of 18 credit hours of 500 and/or 400G level graduate courses in the Chemical Engineering Department with 6 of these hours being from two department core courses which will be identified for the student upon acceptance into the program; (2) 6 credit hours achieved by the successful passing of two college-level core graduate courses: ENGR 501 and MCHE 508; (3) a minimum of 3 credit hours of either mathematics, statistics, or the sciences; (4) a minimum of 6 credit hours of additional graduate courses from either the Chemical Engineering Department or another engineering department; and (5) 3 hours of special project work and a project report to be presented to the graduate committee that details a thorough investigation by the student into an engineering problem to be selected by the student in concert and mandatory approval of the thesis advisor. Note that each semester the Graduate Seminar Course is offered, enrollment in that course is mandatory.

Note(s)

All graduate courses must be approved by both the committee chairperson and department graduate coordinator.

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