

## Renewable and Clean Energy Summary of Degree Requirements

(Revised June 25, 2011)

### Summary of Degree Requirements

The Master of Science in Renewable and Clean Energy (RCL) requires 30 credit hours of work. At 3 credit hours per class, this is equivalent to 10 classes. All classes should be selected with the approval of your advisor. Students are required to complete a Program of Study form at the end of the first semester and submit it to your advisor. The Program of Study form can be revised with the approval of your advisor.

- 1 class must be a graduate-level math class or approved alternative. Approved math classes are:
  - MTH 403      Boundary Value Problems
  - MTH 404      Complex Variables
  - MTH 430      Real Analysis
  - MTH 5XX      Any 500-level math course
  - MEE 500      Advanced Engineering Analysis
  - MEE 590      Advanced Engineering Mathematics
  - ENM 500      Probability And Statistics For Engineers
  - ENM 501      Applied Engineering Statistics
  - ENM 561      Design And Analysis Of Experiments
  - CME 581      Advanced Chemical Engineering Calculations I
  - CME 582      Advanced Chemical Engineering Calculations II
  - CME 583      Process Modeling
- Research is optional, but recommended. Research must be completed under the direction of a faculty member. Research can take the form of:
  - 1 class of RCL 550-Project, or,
  - 2 classes of RCL 599-Thesis
- With the approval of the advisor, up to three non-engineering graduate classes can be taken.
- The remaining courses should be RCL or other graduate engineering courses.
- RCL courses can also be taken through the [Wright State University Renewable and Clean Energy](#) program.