Chemical and Biological Engineering Department

*Graduate Non-ChE Graduate Preparatory Coursework Worksheet*

This worksheet is to be completed for all CBE Graduate students with an undergraduate degree in any field other than Chemical Engineering. The intent is to ensure that you are adequately prepared to take the graduate level Ch E coursework required for your degree. In the table below, indicate which core courses you will take (all 4 for Ph. D students, 2 minimum for M.E./M.S.), and if you satisfy the prerequisites for the course.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Course** | **Title** | **I will take this course (Yes/No)** | **Prerequisite** | **ISU Course** | **I have satisfied the prerequisite (complete table on following page)** |
| **ChE 545** | **Analytical and Numerical Methods** |  | **Differential equations** | **Math 267** |  |
| **ChE 554** | **Integrated Transport Phenomena** |  | **Introductory fluid mechanics** | **ChE 356** |  |
| **Introductory heat/mass transfer** | **ChE 357** |  |
| **Introductory thermodynamics** | **ChE 381** |  |
| **ChE 583** | **Advanced Thermodynamics** |  | **Introductory thermodynamics** |  |  |
| **ChE 587** | **Advanced Chemical Reactor Design** |  | **1 semester reactor design course** | **ChE 382** |  |

I am required to earn a “B” on the following ISU Courses prior to taking the corresponding CBE Graduate Core Course (courses for which I answered “YES” to “I will take this course” and “NO” to “I have satisfied the prerequisite”):

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Student Signature Date

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DOGE Signature Date

For each prerequisite you have already satisfied:

* Attach all relevant transcripts.
* A grade of “B” or better is required.
* Please be prepared to furnish a copy of the course syllabus on request, especially in cases where there is a request to match a prerequisite course with a course with a different title or slightly different content.

|  |  |  |
| --- | --- | --- |
| **Term Taken:** | **Title:** | **Course Number:** |
| **Institution:** |  |  |
| **Link to course description:** |  |  |
| **Instructor:** | **Credits:** | **Grade Earned:** |
|  |  | **Grade Earned, US Letter Grade Equivalent, if applicable:[[1]](#footnote-1)** |
| **Comments:** |  |  |

***Please copy the above table as needed for each prerequisite you have satisfied.***

1. Please supply the basis for your conversion [↑](#footnote-ref-1)