Industrial Engineering (IE) Systems Track
Program of Study Approval Form

Student Name: ___________________________ Student ID: ___________________________
Revised 10-4-2017

The Industrial Engineering (IE) Systems Track requires an approved program of study from each student that
focuses on an application or methodological area of industrial engineering. Students must file this petition at the
latest by the end of their second term in the professional program. Students are encouraged to submit their Program
of Study earlier than the official deadline. Students who have officially declared the Business Engineering Option
do not need to complete this form.

Students can select from pre-approved focus areas or build their own focus area using courses from a pre-approved
list of Restricted Electives. The MIME Undergraduate Student Services Manager is responsible for reviewing and
approving your program of study. With advisor approval, advanced level and graduate courses not shown on the
pre-approved lists may be taken to meet IE Systems Track requirements.

The IE Systems Track Program of Study must meet the following conditions:
• Minimum of 22 credits
• Minimum of 18 upper division credits (300 level or higher coursework)
• Must include IE 426 if Pro-IE major added after spring 2017
• Minimum of one (1) upper division IE course (excluding IE 403, IE 405, IE 406, IE 407 and IE 410)
• Represents a coherent body of knowledge in an application or methodological area of IE
• All program of study courses must be passed with C or better grades

Selecting a Pre-Approved IE Systems Track Focus Area. If you choose a pre-approved focus area you do not
need to complete the “Courses in the Program of Study” section. To declare your focus area, simply check ONE
of the following boxes, sign your name at the bottom and date the form.

☐ Engineering Management  ☐ General Engineering Science  ☐ General Industrial Engineering
☐ Healthcare Systems  ☐ Human Factors  ☐ Information Systems
☐ Manufacturing (dual major)  ☐ Quantitative Methods

Creating an IE Systems Track Individualized Focus Area. You can choose to create your own individualized
focus area. If you choose to create your own individualized focus area you must: create a name for your program,
complete the “Courses in the Program of Study” section and attach a one-page, double spaced description of how
you expect to use industrial engineering to make a contribution to this particular area. Specifically, what do you
hope a B.S. degree in Industrial Engineering will allow you to accomplish in this area?

☐ Name of Program: ___________________________

Courses in the Program of Study (identify the prerequisites):

<table>
<thead>
<tr>
<th>Course</th>
<th>Course Title</th>
<th>Credit Hours</th>
<th>Prerequisites</th>
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<td>TOTAL</td>
<td>(must be 22 credits or more)</td>
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Student Signature: ___________________________ Date: __________________

ACTION TAKEN:
Approved ___  Denied___  Date ________  Manager Signature _____________________________
**Industrial Engineering (IE) System Track**

**Pre-Approved Focus Areas**

Students in the Industrial Engineering Undergraduate Program can choose either the *Business Engineering Option* or the *IE Systems Track* as part of their undergraduate degree requirements.

The *Business Engineering Option* contains a list of pre-determined coursework that must be completed in order to meet the degree requirements for graduation. The Business Engineering Option designation appears on a student’s transcript and diploma. *Students who have officially declared the Business Engineering Option do not need to complete a Program of Study form.*

The *IE Systems Track* offers flexibility in selecting coursework and was implemented in winter 2013 to provide IE students more guidance when picking their twenty-two (22) credits of restricted electives. Students in the *IE Systems Track* can choose a pre-approved focus area or create their own individualized focus area. Students must complete coursework within their designated focus area in order to graduate. The *IE Systems Track* does not appear on a student’s transcript or diploma. Students choosing the IE Systems Track must complete a Program of Study form.

The *IE Systems Track* requires an approved program of study from each student that focuses on an application or methodological area of industrial engineering. Students must file a Program of Study form at the latest by the end of their second term in the professional program. Students are encouraged to submit their Program of Study earlier than the official deadline.

This document contains the list of pre-approved focus areas along with associated coursework. It also contains a list of pre-approved Restricted Electives students can choose from if designing their own individualized focus area. For student convenience, possible minors are suggested for students interested in picking up a minor. Students do not need to complete a minor in order to graduate.

The MIME Undergraduate Student Services Manager is responsible for reviewing and approving Program of Study forms. With advisor approval, advanced level and graduate courses not shown on the pre-approved lists may be taken to meet *IE Systems Track* requirements.

The *IE Systems Track* Program of Study must meet the following conditions:

- Minimum of 22 credits
- Must include IE 426 if Pro-IE major added after spring 2017
- Minimum of 18 upper division credits (300 level or higher coursework)
- Minimum of one (1) upper division IE courses (excluding IE 403, IE 405, IE 406, IE 407 and IE 410)
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