# New Program Proposal

*Undergraduate Studies Committee program proposal presentation deadline: February 13, 2018*
*Graduate Studies Committee program proposal presentation deadline: February 8, 2018*
*All program proposals must be received by the University Faculty Council by March 1, 2018 to be considered for the 2018 - 2019 academic year.\**

*\*Please note that a submitted program proposal form must be reviewed/approved by departmental leadership and Academic Affairs before it may be presented to the Undergraduate Studies Committee, Graduate Studies Committee, or University Faculty Council.*

*All fields that are outlined in red are required fields.*

| Requestor | Name | Sarah Pariseau | E-mail | sparisea@iit.edu |
| --- | --- | --- | --- | --- |

Origination Date: `2017-11-2`

Is this an interdisciplinary program?  ◯ Yes  ⦿ No

*Note: An interdisciplinary program is defined as a program that is not administered by an academic department(s), but is administered by the larger college administrative unit. Co-terminal or dual degree programs are NOT considered interdisciplinary programs in this sense.*

Academic Unit: `Food Science and Nutrition ▼`   College

`School of Applied Technology ▼`

Program Title: `Master of Science in Food Safety and Technology`

Effective Academic Year: `2018 - 2019 ▼`   Effective Term: `Fall 2018 ▼`

Academic Level: `Graduate ▼`

Program Type: `Graduate Degree ▼`

Degree Type: `Master of Science(MS) ▼`

*The CIP code is required to make the program U.S. Financial Aid Eligible. This six-digit code identifies, to the greatest specificity possible, an entire instructional program. The classification scheme seeks to comprehensively address all areas of study. The first two-digits are the first cut off of detail and describe the general discipline of the program. For example, any program with a CIP code that starts with 14 is within the engineering discipline; anything with a 22 is within the legal discipline. The next two digits increase the level of detail, and the final two-digits provide the highest level of detail.*

CIP Code

`14.0301`

Is there more than one Academic Unit proposer?

◯ Yes  ⦿ No

*You may propose a program code and/or attribute below. The availability of the requested program code or attribute will be validated after submission. Please note that not all programs require a program attribute.*

Program Code          MS-FST-2

Program Attribute

Total Program         32
Credit Hours

# Program Narrative and Justification

*Illinois Tech has reviewed and determined as an institution that we need to collect the below information regarding marketing and employment analysis for new programs, using the Department of Education's gainful employment criteria to establish best practices.*

*Illinois Tech also requires that new program proposals receive a marketing analysis from the Office of Marketing and Communications. The Marketing Analysis Request Form is available [online.](online.)*

Narrative description of how the institution determined the need for the program. For example, describe what need this program will address and how the institution became aware of that need. If the program is replacing a current program(s), identify the current program(s) that is being replaced by the new program(s) and provide details describing the benefits of the new program(s). If the program will be offered in connection with, or in response to, an initative by a governmental entity, provide details of that initiative.

Insert text here

Narrative description of how the program was designed to meet local market needs, or for an online program, regional or national market needs. For example, indicate if Bureau of Labor Statistics data or State labor data systems information was used, and/or if State, regional, or local workforce agencies were consulted. Include how the course content, program length, academic level, admission requirements, and prerequisites were decided; including information received from potential employers about course content; and information regarding the target students and employers.

Insert text here

Narrative description of any wage analysis the institution may have performed, including any consideration of Bureau of Labor Statistics wage data related to the new program.

> Insert text here

*Bureau of Labor Statistics data may be accessed at bls.gov/data*

Narrative description of how the program was reviewed or approved by, or developed in conjunction with, one or more of the following: a) business advisory committees; b) program integrity boards; c) public or private oversight or regulatory agencies (not including the state licensing/authorization agency and accrediting agency); and d) businesses that would likely employ graduates of the program. For example, describe the steps taken to develop the program, identify when and with whom discussions were held, provide relevant details of any proposals or correspondence generated, and/or describe any process used to evaluate the program.

> Insert text here

What are the enrollment estimates?

Year 1  5        Year 2  10        Year 3  15

Attach Additional Program Justification Document(s)

Uploading files requires Adobe Flash 10. If you are required to attach files to this request, you will not be able to submit the request.

Uploaded Files:

Files To Be Uploaded:

## Academic Information

### Advising

Since quality advising is a key component of good retention, graduation, and career placement, how will students be mentored? What student professional organizations will be formed? How will the department work with the Career Services office to develop industry connections?

Insert text here

## Program Resources

Which program
resources are
necessary to offer
this program?

☐ Personnel ☐ Facilities

## Proposed Bulletin Entry

Admission
Requirements

| Styles ▾ | |

GRE: 304 (quantitative + verbal); 2.5 (analytical writing)

TOEFL: 70/550 (internet/paper)

## Program Outcomes and Assessment Process

What are the
learning goals for
this program?

| Learning goal | Student work/assignments used to assess achievement of this goal | ⊕ |
|---|---|---|
| Insert text here | Insert text here | ✖ ⬆ ⬇ |

What should
students be able to
do after
successfully

completing the program?

| Student objective/goal | ⊕ |
|---|---|
| Insert text here | ✕ ⬆ ⬇ |

How often and by whom will data be collected? How often and by whom will the data be analyzed?

Insert text here

Identify rubric for assessing completion of student learning goals.

Insert text here

What benchmarks or targets will be used to interpret your results?

Insert text here

How will you use your assessment results to improve the program?

Insert text here

# Graduate Program Requirements

## Master of Science (M.S.) Degree

Minimum credit hours     `32`

400-level credit hour limit?     ○ Yes     ● No     How many hours allowed?     `12 ▼`

*The university maximum for 400-level credit in a graduate program is 12 credit hours.*

500-600-level credit hour limits:     Minimum: `20`     Maximum: `____`

700-level credit hour maximum:     `6`
ⓘ

Thesis required?
☑ Yes          ☐ No          ☐ Optional

List specific details about the thesis option

By what method is the thesis defended?
☐ Comprehensive Exam     ☑ Thesis Defense

Research course credit hours     Minimum `6`     Maximum `8`
ⓘ

Project course required?
☐ Yes          ☐ No          ☑ Optional

List specific details about the project

option

[text area]

Project report/
review required?

☐ Yes　　　　　☐ No　　　　　☑ Optional

Project course credit hours　　　Minimum [ 1 ]　　Maximum [ 2 ]　　Course Number

[ 594/597 ]

Seminar/Colloquium
required?

☐ Seminar　　　　☐ Colloquium　　　☑ Not Required

Required
specialization/
concentration?

☐ Yes　　　　　☑ No　　　　　☐ Optional

*Detail the courses needed for the program including courses currently offered and new courses to be developed. Using the toolbar below, click on "Insert/Edit Formatted Table" and use the Course List option.*

List Core Course
Requirements

| Format ▾ | Styles ▾ | | | | | Source |

### Course List

| FDSN 505 | Food Microbiology | 3 |
|---|---|---|
| FDSN 506 | Food Microbiology Laboratory | 3 |
| FDSN 507 | Food Analysis | 3 |
| FDSN 521 | Food Process Engineering | 3 |
| FDSN 524 | Fundamentals of Food Science | 3 |
| FDSN 541 | Principles of Food Packaging | 3 |
| FDSN 591 | Research and Thesis | 6-8 |
| **Total Credit Hours** | | **24-26** |

List Elective Course
Options

| Format ▾ | Styles ▾ | | | | Source |

## Course List

| Select six to eight credit hours from the following: | | 6-8 |
|---|---|---|
| FDSN 501 | Nutrition, Metabolism, and Health | 3 |
| FDSN 502 | Development, Delivery, and Dissemination | 3 |
| FDSN 504 | Food Biotechnology | 3 |
| FDSN 508 | Food Product Development | 3 |
| FDSN 511 | Food Law and Regulations | 3 |