

Name: \_\_\_\_\_

## Certification of Food Science Graduate Course Program

Students in pursuit of a Food Science graduate degree need to prepare this form for approval by the following groups, (a) the teaching requirement by Graduate Program Committee Chair, if necessary, (b) proposed coursework plan by major advisor and, (c) the coursework plan needs the final approval from the Graduate Program Advisory Committee (GPAC).

### In pursuit of degree (Check One):

- MS
- PhD Major
- MS but transitioning to PhD

Major Professor: \_\_\_\_\_

Minor Subject (PhD): \_\_\_\_\_

Minor Professor (PhD): \_\_\_\_\_

Theme (if distributed minor): \_\_\_\_\_

I am in my \_\_\_\_\_ year of the MS / PhD (circle one) program

### Background Information

Undergraduate Institution: \_\_\_\_\_

Country: \_\_\_\_\_

Major: \_\_\_\_\_

Date of Degree: \_\_\_\_\_

### Previous Graduate Degrees

1. Institution: \_\_\_\_\_

Country: \_\_\_\_\_

Major / Minor(s): \_\_\_\_\_

Date of Degree: \_\_\_\_\_

Major Advisor: \_\_\_\_\_

2. Institution: \_\_\_\_\_

Country: \_\_\_\_\_

Major / Minor(s): \_\_\_\_\_

Date of Degree: \_\_\_\_\_

Major Advisor: \_\_\_\_\_

## Food Science Graduate Program Minimum Course Requirements

This document outlines the minimum coursework requirements for the UW-Madison Food Science Graduate Programs. Each requirement area has credit minimums to achieve for the M.S. or Ph.D. track.

Requirement Area / Course Offerings	MS Credit Requirements*	PhD Credit Requirements
<b>Graduate-Level Food Science Courses<sup>1</sup></b>	<b>6 cr.</b>	<b>6 cr.</b>
FS 611 (Spring): Chemistry and Technology of Dairy Products (3cr.)		
FS/AN SCI 711 (Fall): Advanced Food Biochemistry (3cr.)		
FS 725 (Spring): Advanced Food Micro (3cr.)		
<b>Research Ethics and Responsibility</b>	<b>1-2 cr.</b>	<b>1-2 cr.</b>
PATH 755: Responsible Conduct in Research (2cr.) <sup>2,3</sup>		
<b>Statistics</b>	<b>1 course (300+ level)</b>	<b>1 course (300+ level)</b>
STAT 571: Statistical Methods for Bioscience I (4cr.) <sup>3</sup>		
STAT 572: Statistical Methods for Bioscience II (4cr.) <sup>3</sup>		
<b>FS 900: Seminar</b>	<b>1 cr.<sup>4</sup></b>	<b>2 cr.<sup>4</sup></b>
<b>Scientific Writing</b>	<b>--</b>	<b>3 cr.</b>
LSC 430: Communicating Science with Narrative (3cr.)		
LSC 560: Scientific Writing (3cr.)		
<b>Teaching Practicum<sup>5</sup></b>	<b>--</b>	<b>2 cr.</b>
<b>Breadth Requirement<sup>6</sup></b>	<b>--</b>	<b>9 cr.</b>

Notes:

<sup>1</sup>Cannot be transferred from previous degree, unless the exact same courses have been taken for credits at UW Madison within the past ten years

<sup>2</sup>If funded by the NSF/NIH, this course is *required* to fulfill the Research Ethics and Responsibility requirement

<sup>3</sup>These course options reflect courses for which Food Science students have programmatic approval.

Alternative courses can be taken, with approval from students' GPAC and course instructors

<sup>4</sup>Food Science graduate students must register for Seminar (FS 900) each academic semester they are in residence. MS students are required to present their research in FS 900 once, prior to defending their thesis. PhD students are required to present their research in FS 900 twice, once before their preliminary exam, and once when they are close to completing their dissertation.

<sup>5</sup>Can be waived if completed as part of previous degree, or if appointed in the Department of Food Science as a teaching assistant (TA) for a course in the undergraduate program

<sup>6</sup>There are three options to satisfy the breadth requirement in doctoral training, and no more than 6 credits from prior graduate level coursework may be applied toward the fulfillment of the breadth requirement.

<https://policy.wisc.edu/library/UW-1200>

Option A (external doctoral minor) requires a minimum of 9 credits in a doctoral minor program.

Fulfillment of this option requires the approval of the doctoral minor program.

Option B (distributed doctoral minor) requires a minimum of 9 credits in one or more programs forming a coherent topic.

Option C (graduate/professional certificate) requires successful completion of a graduate/professional certificate in a program outside of the student's doctoral major program.

\* MS students must complete a minimum of 9 cr. 300+ level course work. Credits received for seminar (FS 900) and research (FS 990) are excluded.

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## Teaching Requirements (PhD students only)

### **Part I: Completion of a teaching/learning class or workshop**

- **International students** are required to demonstrate proficiency in spoken English before they serve as TAs by completing the SPEAK test. Exemption criteria of the SPEAK test include a score of 26/30 or higher on the speaking section of the iBT TOEFL test, or an 8.0/9.0 or higher in the speaking section of IELTS. <https://esl.wisc.edu/ita-training/speak/>
- **All TAs and practicum students** are required to complete the New Educator Orientation (NEO) training offered by Collaboratory for Engineering Education and Teaching Excellence (CEETE). <https://ceete.engr.wisc.edu/ta-training/>
- **Optional:** The Delta Program offers courses and workshops that may help graduate students become more effective educators and mentors. Participating in the Delta program should be consulted with the advisor. <https://grad.wisc.edu/delta/>

### **Part II. Classroom or laboratory teaching**

*You may use any one of the three options below to fulfill Part II of the teaching requirement:*

- Having already completed a teaching practicum experience. For this option, please attach supporting documentation including a description of the course and obtain approval from the Graduate Program Committee (GPC) Chair.

GPC Chair Signature: \_\_\_\_\_

Date: \_\_\_\_\_

- Serving as an TA in the Department of Food Science as a teaching assistant for a course in the (under)graduate program. Upon request for a TA position, the food science department will assign a course
  - Complete two credits of FS 799 (Practicum in Food Science Teaching)
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***Pre-approval of coursework plan as submitted to GPAC for certification***

The student is responsible for creating a plan to fulfill the minimum course requirements (and teaching requirements for PhD students) and presenting a completed certification form at the first GPAC meeting.

Advisor Signature: \_\_\_\_\_

Date: \_\_\_\_\_

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**PROGRAM APPROVAL**

***Action of Graduate Student Advisory Committee (GPAC)***

- Approved
- Resubmit
- Approved pending the following:

Date: \_\_\_\_\_

Committee members:

Printed Names:

Signatures:

\_\_\_\_\_  
\_\_\_\_\_  
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# Student Progress Evaluation Form

Student Name: \_\_\_\_\_

Major Advisor: \_\_\_\_\_

Date of Meeting: \_\_\_\_\_

**Type of Meeting (check one):**

- Course certification
- Annual Progress meeting
- Preliminary Exam
- Final Defense

(MS student only) Is the student interested in transitioning to a PhD student? If yes, the GPAC should provide feedback on the student's potential of becoming a successful PhD student.

- Yes
- No

Has the student's Individual Development Plan (IDP) been discussed during this meeting?

- Yes
- No

Consensus comments from the meeting (e.g. additional courses suggested, was course work certified, statement of current progress, suggestions on research topic) attach additional pages if necessary.

Committee members:

Printed Names:

Signatures:

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