



# WPI

## **Collaborative Accelerated Master's Programs (CAMPs) Framework between WPI and Partner Institutions**

CGSR Motions

February 2024 Faculty Meeting

## **Motion 1**

**Date:** February 14, 2024

**To:** WPI Faculty

**From:** Committee on Graduate Studies and Research (Prof. Olson, Chair)

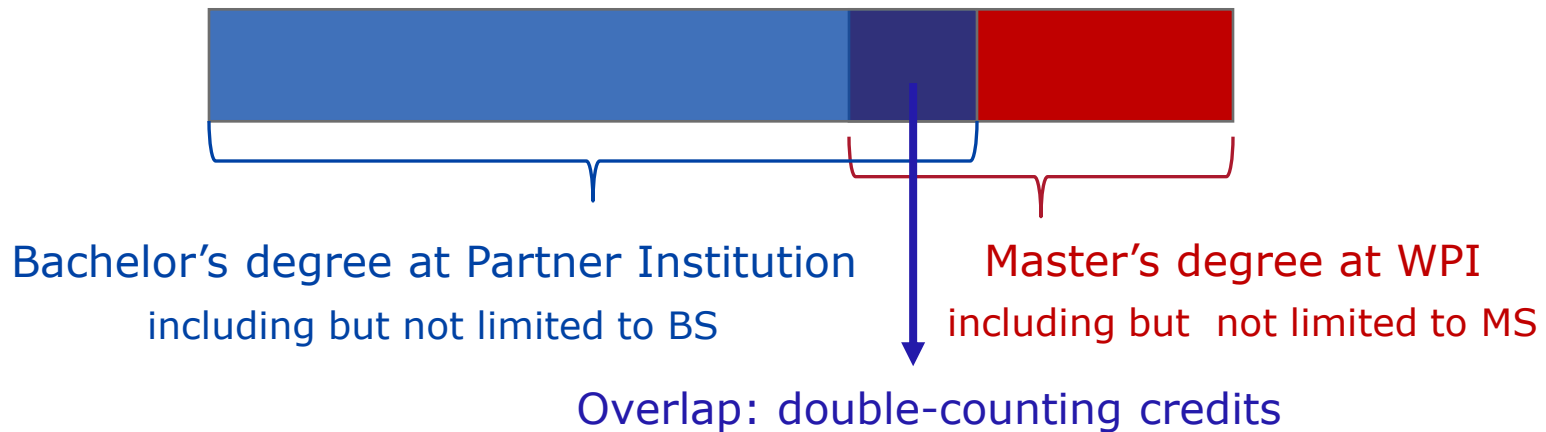
**Re:** Motion to establish a Template for Collaborative Accelerated Master's Programs Frameworks between Partner Institutions and WPI

**Motion:** On behalf of the Collaborative Accelerated Master's Programs (CAMPs) Frameworks Working Group, the Committee on Graduate Studies and Research recommends, and I move, that the template for future Collaborative Accelerated Master's Programs Frameworks between partner institutions and WPI be established, as described below.

# General Framework

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- Collaborative Accelerated Master's Programs (CAMPs) Framework



- Course-counting and other rules:
  - ❖ up to 2 eligible senior undergrad courses from Partner Inst.
  - All internal WPI rules apply:
    - credit-counting rules and limits same as internal BS/MS program
    - WPI rules and limits on graduate credit transfers apply
    - WPI credit conversion between undergrad and graduate courses apply
    - ...

# Rationale: *Win – win - win*

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- **Win for Students:**
  - Ability to pursue a master's degree at WPI in an accelerated manner and in a way that is synergistic with their bachelor's degree
  - Ability to leverage WPI network of industry and academic partners for industry placement and/or further graduate studies
- **Win for WPI:**
  - Attract strong students from our partner institutions into our graduate programs
  - One of WPI's strategic goals: grow and strength of our graduate programs
  - Strengthen existing collaborations with partners
- **Win for the Partner Institution:**
  - Provide pathways for their students
  - Strengthen existing collaborations with WPI

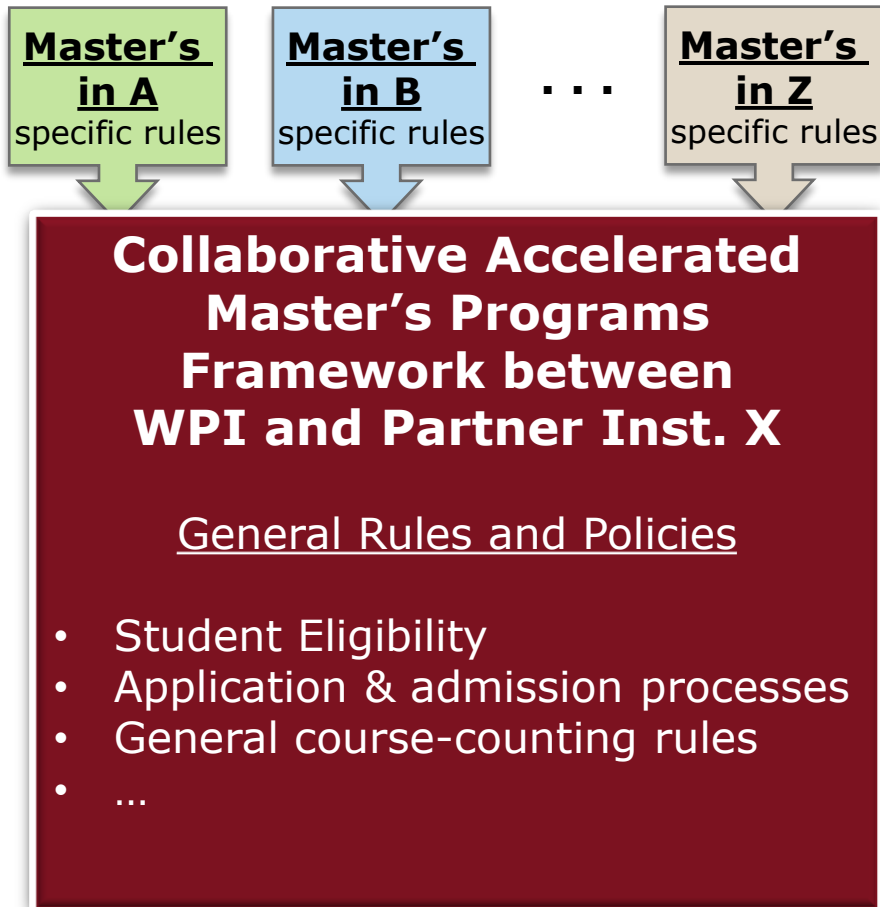
# Collaborations under Development

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- **With Assumption University:** (Motion 2)
  - In Neuroscience, reviewed & approved by CGSR (Motion 3)
  - Planned: Global Health, ME, Cybersecurity
- **With Holy Cross:**
  - In the works: CS, DS, ME, ECE
- **With Framingham State University:**
  - In the works: Neuroscience, DS, Medicinal Chemistry
- **With Utica University:**
  - In the works: engineering
- **With Smith College:**
  - Ongoing conversations about Neuro and CS

# Template for these Collaborations

Any **WPI Dept./Program that confers a master's degree in Y** may opt-in to participate in the collaboration with a specific partner



Template

Template for **Program Y's** participation in a Collaborative Framework is provided in Motion 1

**Program Y can add its own (possibly stricter) requirements & rules**

Template for a Collaborative Framework is provided in Motion 1

# Program Y Participation Template

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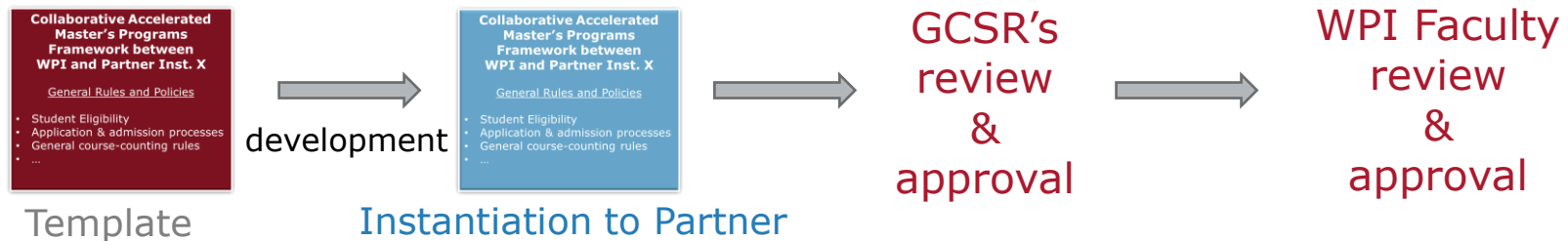


Program Y participation in a Collaborative Framework with a specific partner institution X

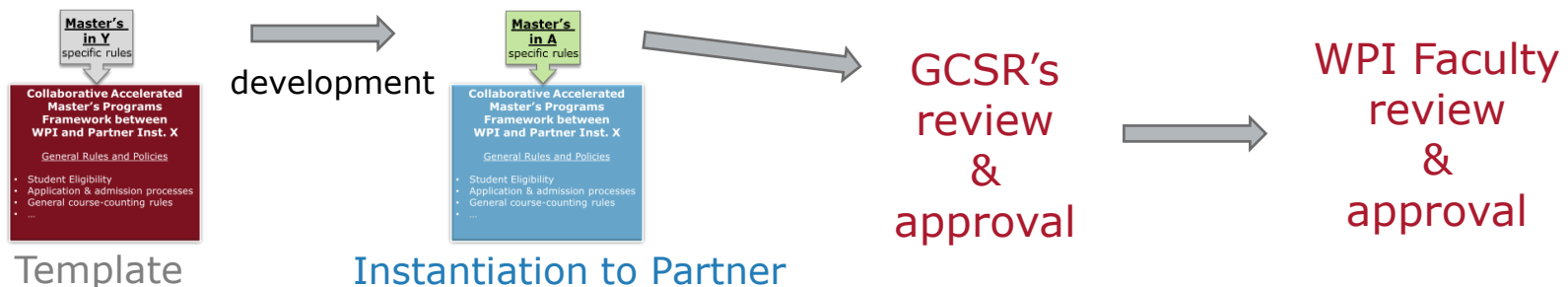
- Adds information specific to the master's degree in Y and may add and/or overwrite rules in the Collaborative Framework with X:
  - Additional student eligibility criteria (if any)
  - Recommended background, prerequisites, and/or additional guidelines for students who wish to pursue the Y-Program
  - A "Plan of Study Form for the Collaborative Accelerated Master's Program in Y between X and WPI"
    - degree requirements, eligible courses, program-specific limits, ...
  - Endorsement from the faculty in program Y

# Why having a Template?

- Facilitates development and CGSR's & WPI Faculty's review of similar future collaborations with other partner institutions



- Facilitates development and CGSR's & WPI Faculty's review of WPI master's programs' participation in a Collaborative Framework with X



- Provides consistency and transparency across these collaborations
- Can be adapted/overwritten as needed



# Motion Details

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- Motion details described in Jan. Faculty Meeting:
  - Student eligibility and application process
  - Rules for course and credit counting
    - NECHE imposed limit of up-to 2 senior courses from Partner.
    - Other than that, all existing WPI BS/MS rules apply
- Updates to the motion since Jan.
  - Added Catalog description
  - Clarified credit conversion with additional text

# Proposed Catalog Description

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## **Collaborative Accelerated Master's Programs Frameworks between WPI and Partner Institutions**

WPI has established Collaborative Accelerated Master's Programs (CAMPs) Frameworks with key partner institutions. A CAMPs Framework between WPI and a partner institution is a cross-institutional collaboration in which undergraduate students at the partner institution can apply to and, after graduating with their bachelor's degree at the partner institution, pursue a master's degree at WPI in an accelerated manner. These collaborative frameworks may include B.A., B.S. and other bachelor's degrees at the partner institution and any opting-in master's degree programs at WPI (including but not limited to M.S. degrees).

# Input and Endorsements

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## WPI:

- Faculty from all Schools and numerous Department and Programs
- Endorsement from Neuroscience Faculty
- Committee on Graduate Studies and Research (CGSR)
- Secretary of the Faculty, Mark Richman
- Provost, Art Heinricher
- Dean of Graduate Studies, Terri Camesano
- Dean of Arts and Sciences, Jean A. King
- Dean of Engineering, John McNeill
- Dean of The Business School, Debora Jackson
- Dean of The Global School, Mimi Sheller
- Dean of Undergraduate Studies, Arne Gericke
- Associate Dean Graduate Studies, Alexander Wyglinski
- Registrar, Sarah Miles
- Executive Director of Graduate Recruitment and Admissions, Melissa Terrio
- Executive Director, Program Delivery and Strategic Partnerships, Scott Butler
- Associate General Counsel, Amy Fabiano

## Partner Institutions:

- Counterparts at partner institutions, including Assumption University and Holy Cross

## New England Commission of Higher Education (NECHE):

- Senior Vice President of NECHE, Patricia O'Brien, SNDdeN.

## Motion 2

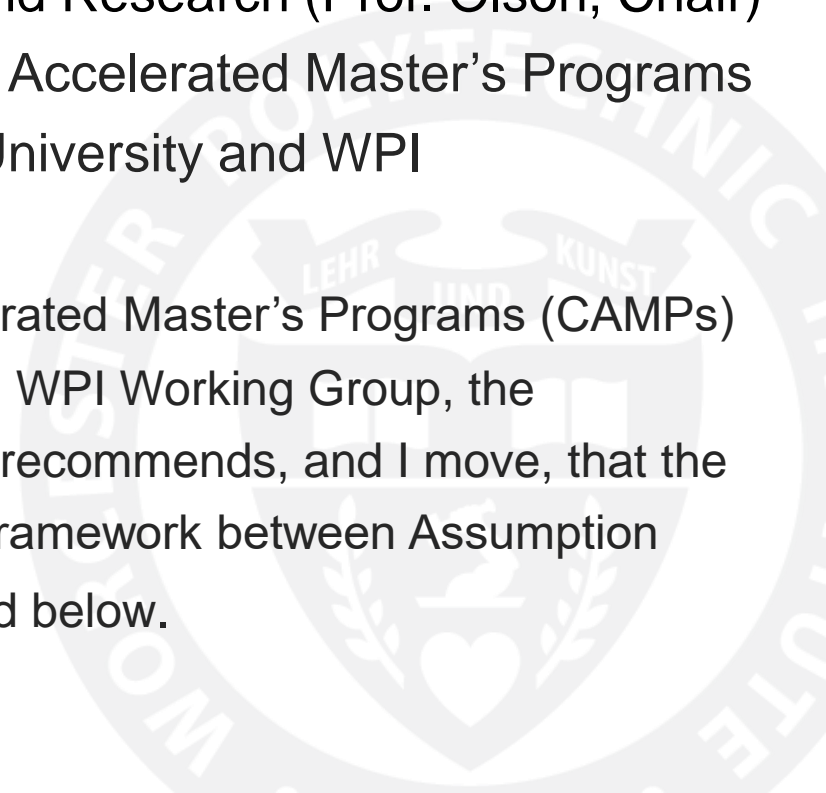
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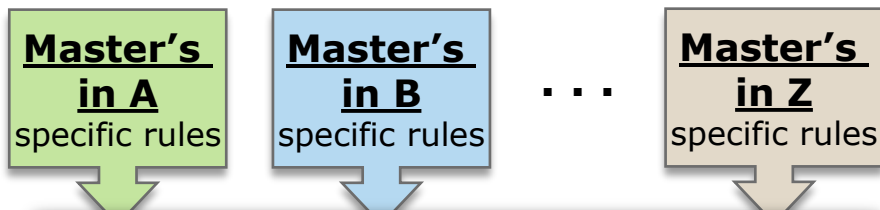
**Re:** Motion to establish a Collaborative Accelerated Master's Programs Framework between Assumption University and WPI

**Motion:** On behalf of the Collaborative Accelerated Master's Programs (CAMPs) Framework between Assumption University and WPI Working Group, the Committee on Graduate Studies and Research recommends, and I move, that the Collaborative Accelerated Master's Programs Framework between Assumption University and WPI be established, as described below.



# Instantiation of the Template to Assumption University

Any **WPI Dept./Program that confers a master's degree in Y** may opt-in to participate in the collaboration with **Assumption University**



Motion 2

**Collaborative Accelerated Master's Programs Framework between WPI and Partner Inst. X**

General Rules and Policies

- Student Eligibility
- Application & admission processes
- General course-counting rules
- ...

**Collaborative Accelerated Master's Programs Framework between WPI & Assumption Univ.**

General Rules and Policies

- Student Eligibility
- Application & admission processes
- General course-counting rules
- ...

Template

Worcester Polytechnic Institute

# Proposed Catalog Description

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## **Collaborative Accelerated Master's Programs Framework between Assumption University and WPI**

The Collaborative Accelerated Master's Programs Framework between Assumption University and WPI allows undergraduate students from Assumption University to apply to and, after graduating with their bachelor's degree from Assumption University, pursue a master's degree at WPI in an accelerated manner. This may include B.A., B.S., and other bachelor's degrees at Assumption, and any opting-in master's degree programs at WPI (including but not limited to M.S. degrees).

Students in this Collaborative Accelerated Master's Programs Framework must satisfy all the requirements of their respective bachelor's degree at Assumption University and all the requirements of their master's degree at WPI. WPI allows these students to count toward their master's degree up-to two of their advanced senior-level undergraduate courses, from a list of eligible Assumption University courses that satisfy specific criteria.

General information about student eligibility, application process, and credit double-counting rules is available at <https://www.wpi.edu/academics/graduate/camps>. This webpage also contains the list of collaborative accelerated master's degrees that are available to Assumption University students, together with specific program-specific eligibility and degree requirements.

## **Motion 3**

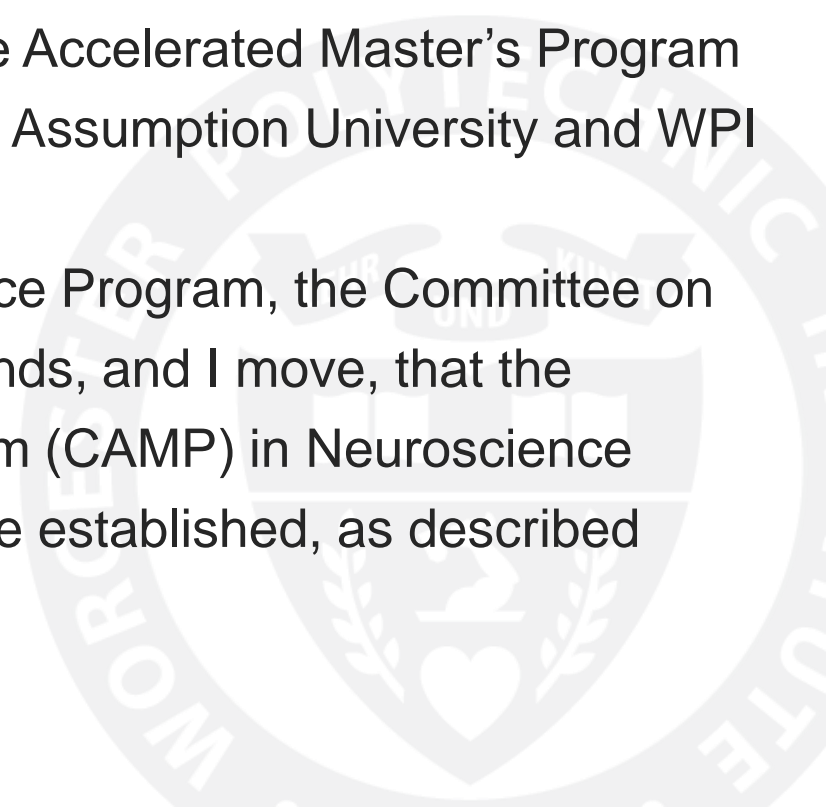
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**To:** WPI Faculty

**From:** Committee on Graduate Studies and Research (Prof. Olson, Chair)

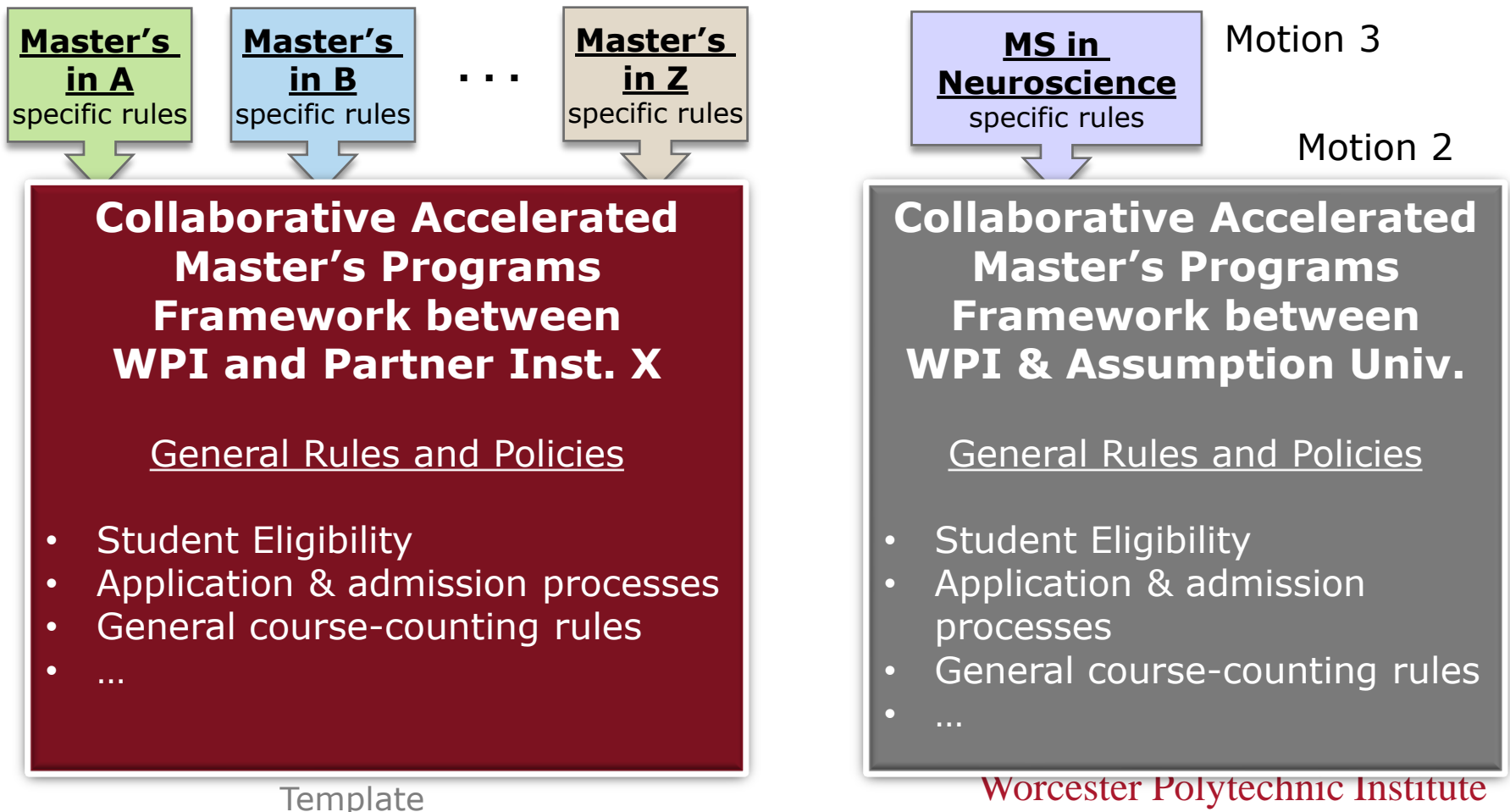
**Re:** Motion to establish a Collaborative Accelerated Master's Program (CAMP) in Neuroscience between Assumption University and WPI

**Motion:** On behalf of the WPI Neuroscience Program, the Committee on Graduate Studies and Research recommends, and I move, that the Collaborative Accelerated Master's Program (CAMP) in Neuroscience between Assumption University and WPI be established, as described below.



# Instantiation of the Template to M.S. Degree in Neuro between Assumption & WPI

Any **WPI Dept./Program that confers a master's degree in Y** may opt-in to participate in the collaboration with **Assumption University**





# Plan of Study: Illustration (Full Plan of Study in Motion 3)



## Collaborative Accelerated Master's Program in Neuroscience Plan of Study



See the WPI Graduate Catalog and the Neuroscience webpages for additional information about the Neuroscience MS degree requirements.

**Core Neuroscience Coursework Requirement:** at least 19 graduate credits.

**Neuroscience courses:** at least 9 graduate credits from the list of Eligible Neuroscience Courses

School	Course #	Course Title	Semester	Grad credits	Grade	Double-counted?

**Biology courses:** at least 3 graduate credits from the list of Eligible Biology & Biotechnology Courses

School	Course #	Course Title	Semester	Grad credits	Grade	Double-counted?

**Computer Science courses:** at least 3 graduate credits from the list of Eligible Computer Science Courses

School	Course #	Course Title	Semester	Grad credits	Grade	Double-counted?

**Bioethics course:** at least 1 graduate credit. *For example, BB 551 Research Integrity in the Sciences or ID 500*

## LISTS OF ELIGIBLE COURSES

### Eligible Neuroscience courses:

#### WPI Graduate Courses (3 graduate credits each):

NEU 501 Neuroscience  
NEU 502 Neural Plasticity  
NEU 503 Computational Neuroscience  
NEU 504 Advanced Psychophysiology  
NEU 505 Brain-Computer Interaction

#### Assumption Undergraduate Courses:

BIO415 Principles of Neuroscience (3 graduate credits)

- Students can receive credit towards their M.S. degree for BIO415 or for NEU501, but not for both.

BIO490 Independent Study with Neuroscience Focus (2 graduate credits)

- This ISC may be conducted with Assumption University and/or WPI faculty.

### Eligible Biology and Biotechnology courses:

#### WPI Graduate Courses (3 graduate credits each):

BBT 561 Model Systems: Experimental Approaches and Applications  
BBT 581/ BCB 501 Bioinformatics

#### WPI Undergraduate Courses (2 graduate credits each):

BB/CH 4190. Regulation of Gene Expression  
BB 4260. Synthetic Biology

#### Assumption Undergraduate Courses:

BIO420 Developmental Biology (3 graduate credits)  
BIO430 Comparative Physiology (3 graduate credits)

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# Proposed Catalog Description

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## **Collaborative Accelerated M.S. Program in Neuroscience between Assumption University and WPI.**

The Collaborative Accelerated Master's Program (CAMP) in Neuroscience between Assumption University and WPI allows undergraduate students at Assumption University, after graduating with their bachelor's degree, to pursue an M.S. degree in Neuroscience at WPI in an accelerated manner. Assumption University students in majors relevant to Neuroscience (including, Neuroscience, Biology, Biotechnology and Molecular Biology, Chemistry, Computer Science, Health Sciences, Mathematics, and Psychology) or who otherwise have the necessary coursework may be eligible for this program.

Students in this accelerated M.S. program must satisfy all the requirements of their bachelor's degree at Assumption University and all the requirements of their master's degree in Neuroscience at WPI. WPI allows these students to count toward their master's degree up-to two of their advanced senior-level undergraduate courses, from a list of eligible Assumption University courses. Further information about this program, including eligibility criteria, application process, course double-counting rules, and degree requirements is available at <https://www.wpi.edu/academics/departments/neuroscience>.

Assumption University students interested in this accelerated M.S. Program in Neuroscience at WPI are encouraged to consult with their undergraduate academic advisor and the Director of Neuroscience at Assumption University, as well as with the WPI Neuroscience Director, about course selection that would best prepare them for the M.S. degree in Neuroscience at WPI.

The background of the slide features a large, semi-transparent watermark of the Morcester Polytechnic Institute logo. The logo is circular and contains the text "MORCESTER POLYTECHNIC INSTITUTE" around the top and "1865" at the bottom. In the center is a shield with a heart, flanked by two figures, and a banner above it with the words "LEHR" and "KUNST".

Thank you!

Any Questions?