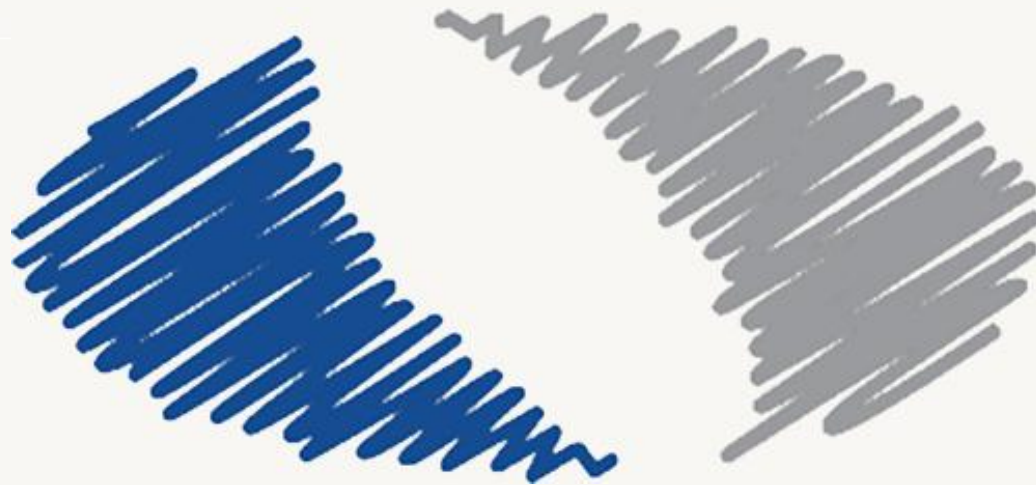




# The Olin College Grand Challenge Scholars Program

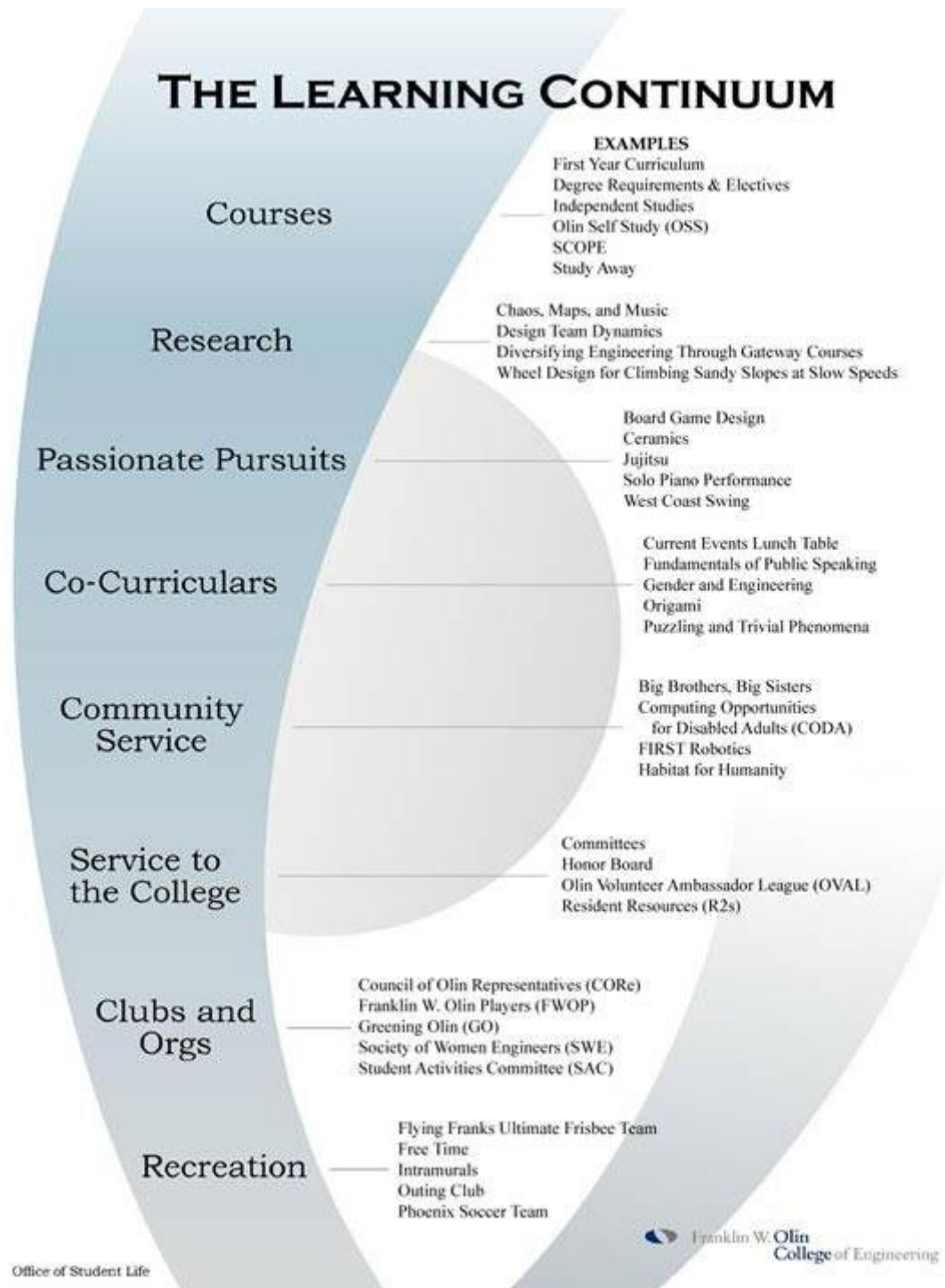


Utilizing Olin Curriculum:  
A Student's Journey Through the GCSP

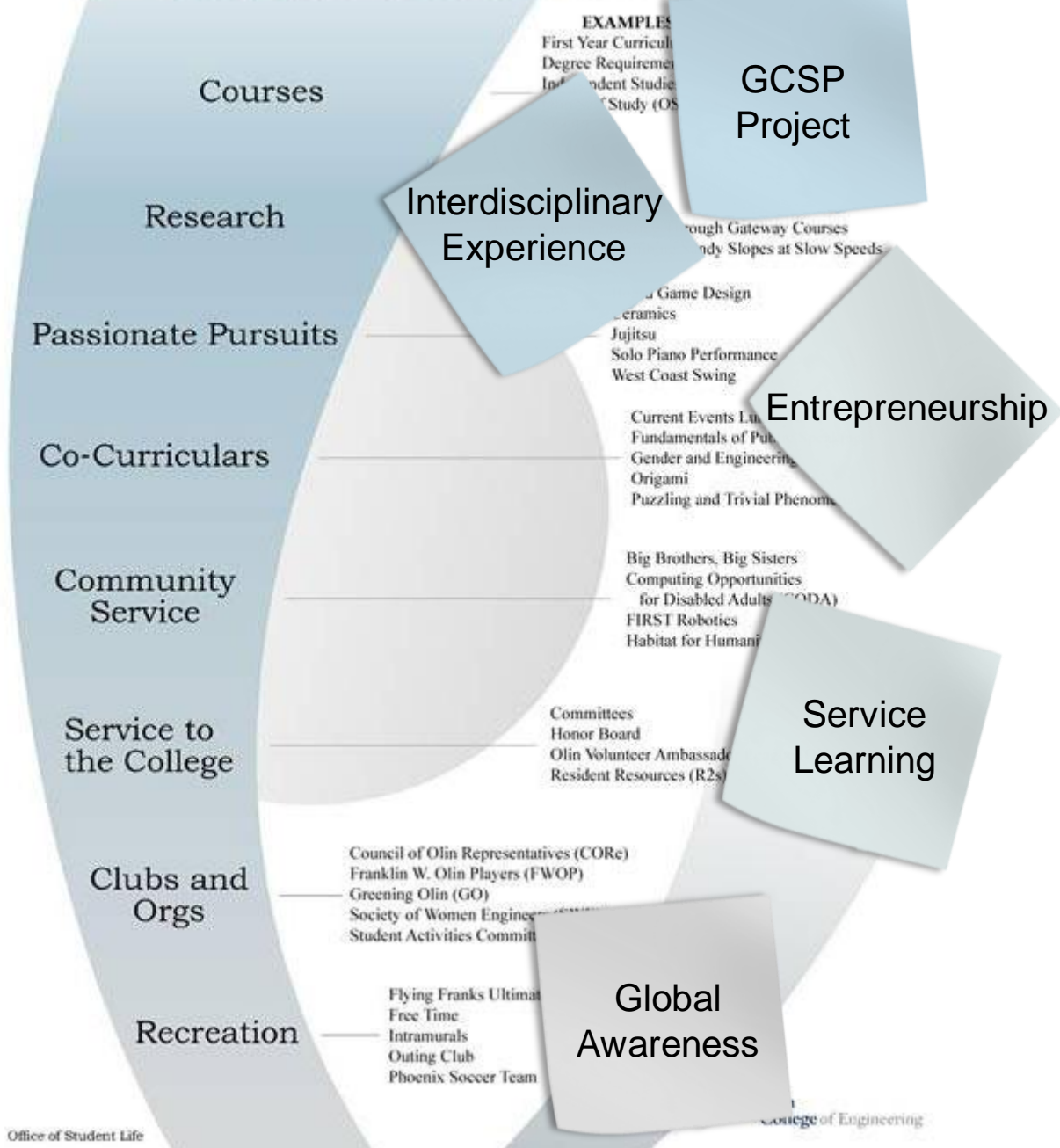
# Five Curricular Components

- GCSP Project
- Entrepreneurship
- Interdisciplinary work
- Service Learning
- Global Experience

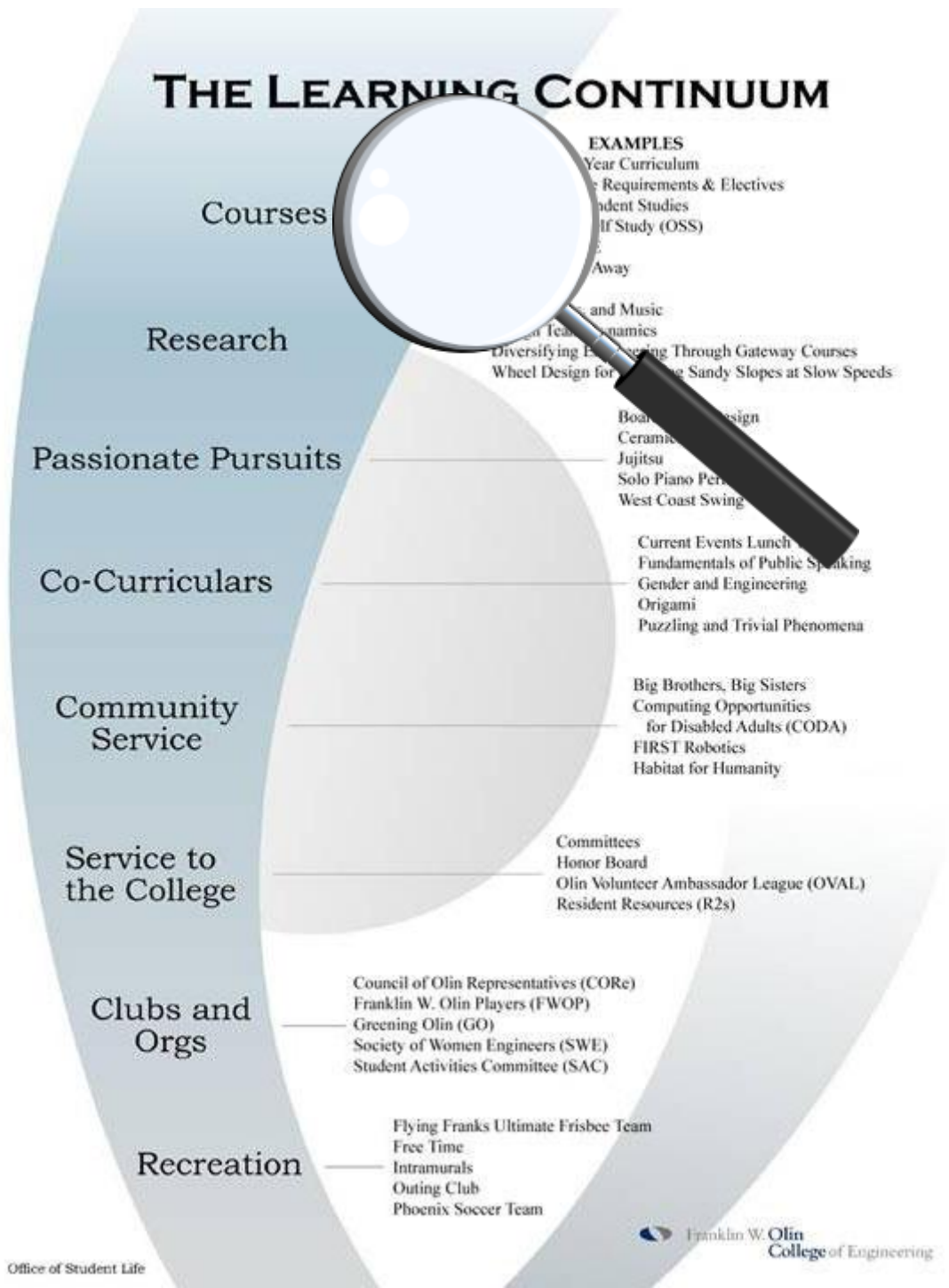
# THE LEARNING CONTINUUM

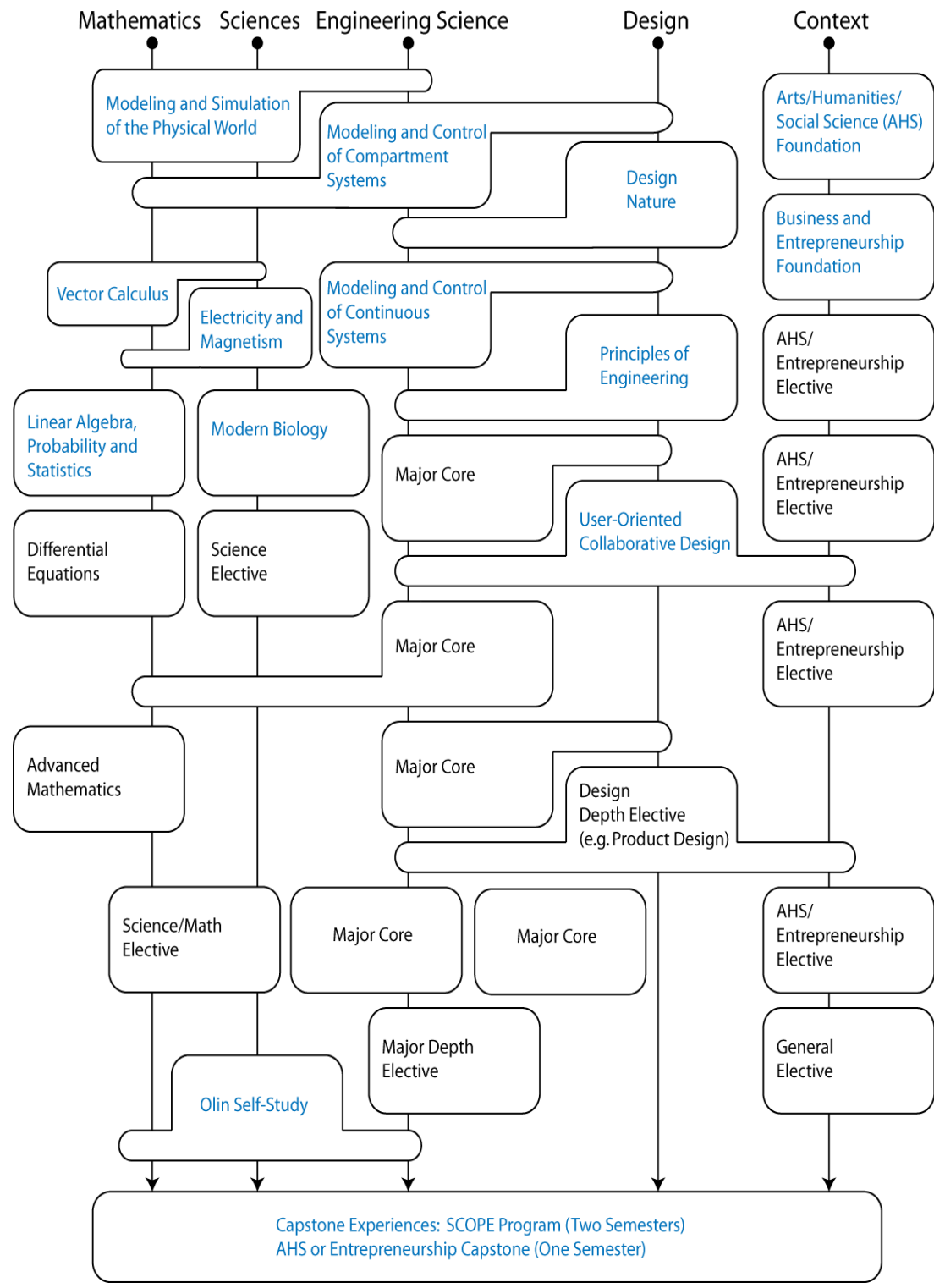


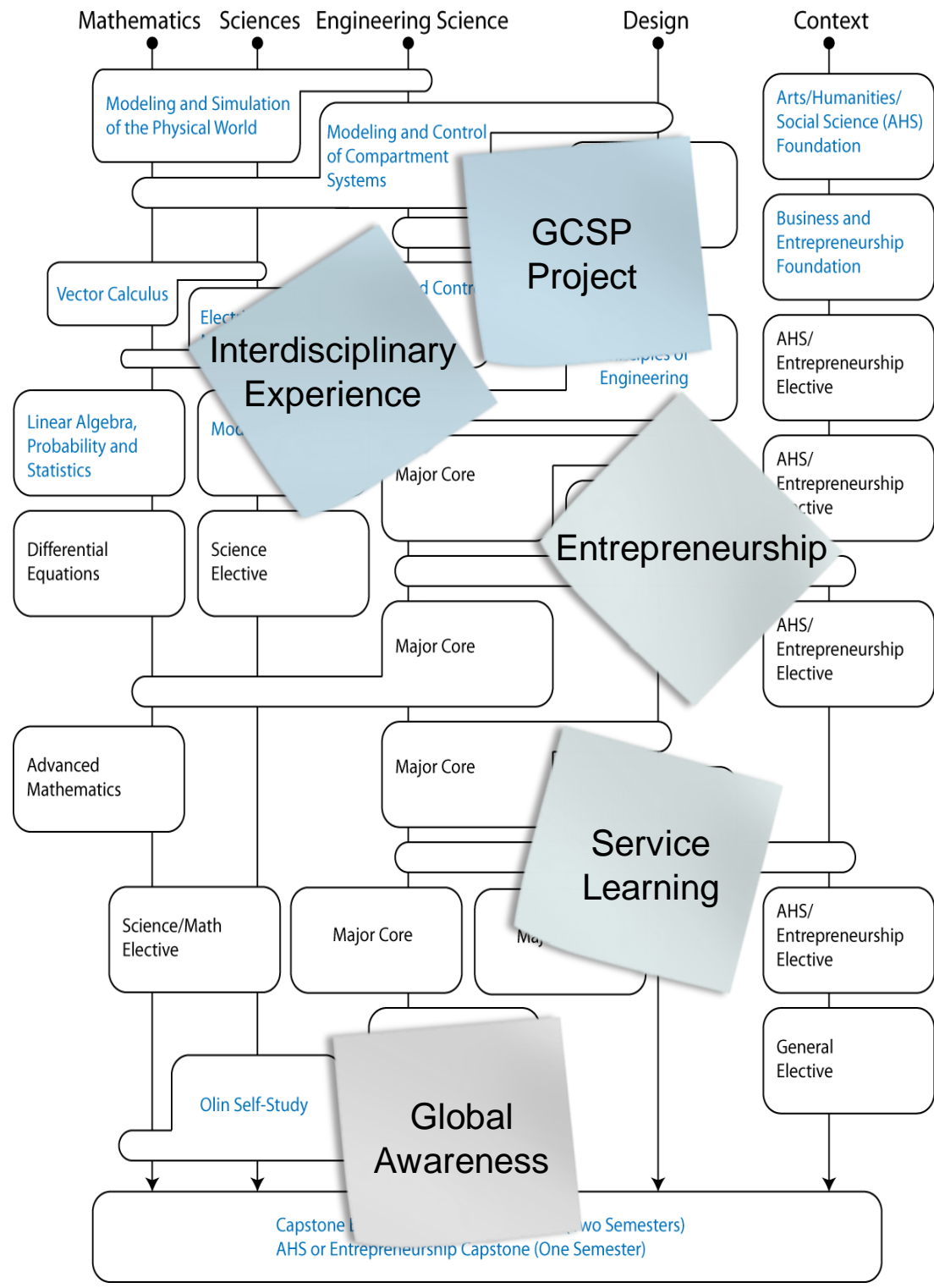
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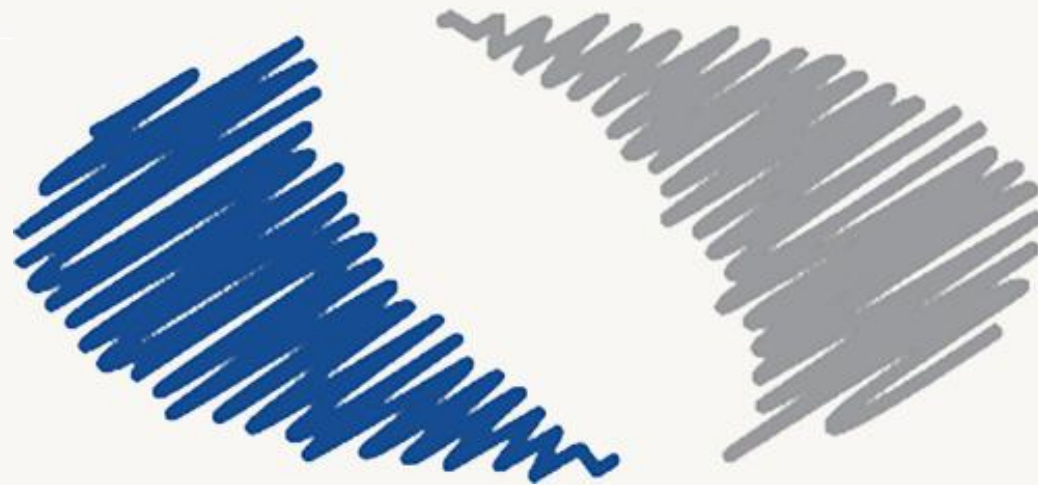








# The Olin College Grand Challenge Scholars Program



Utilizing Olin Curriculum:  
A Student's Journey Through the GCSP

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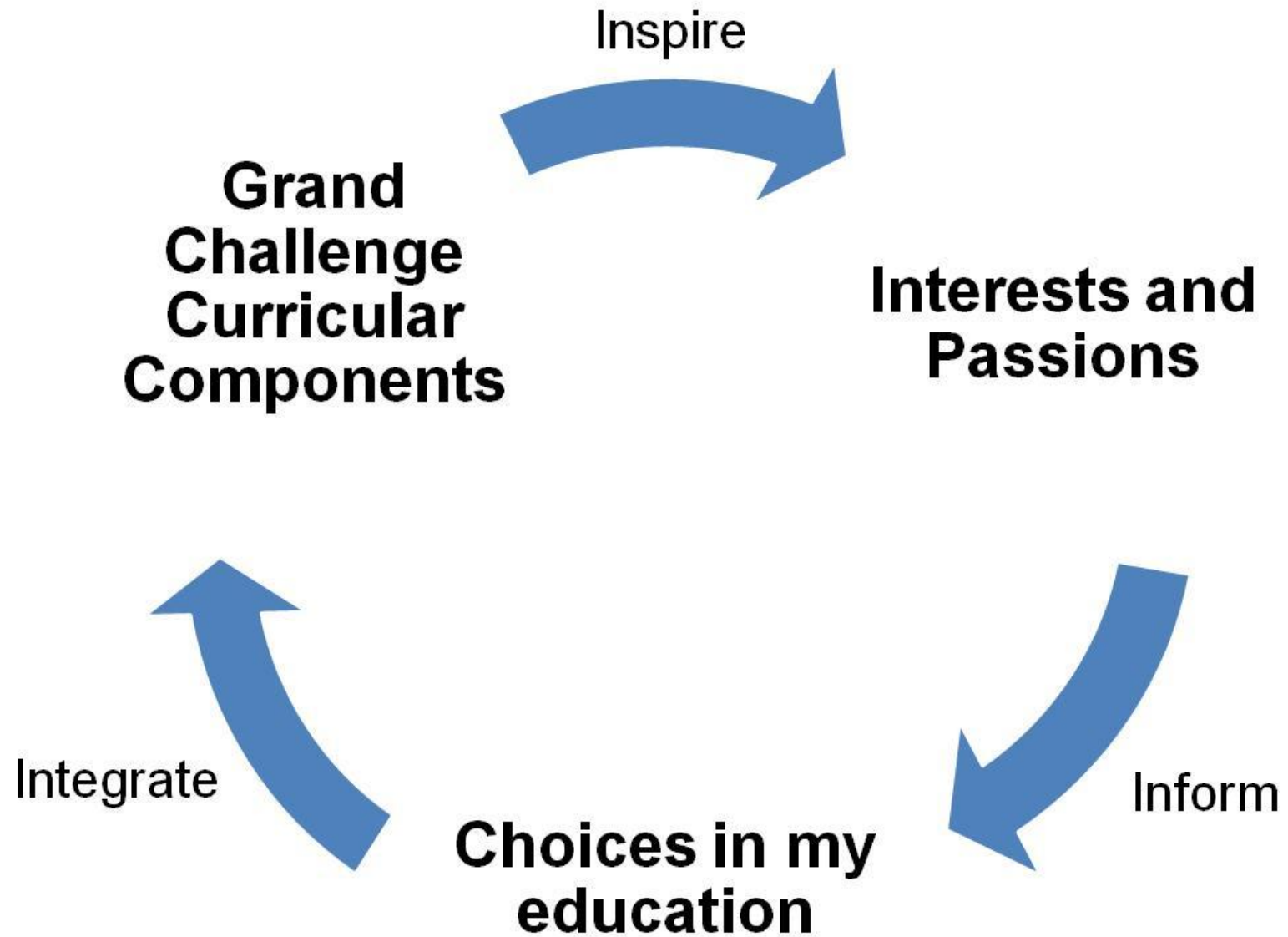
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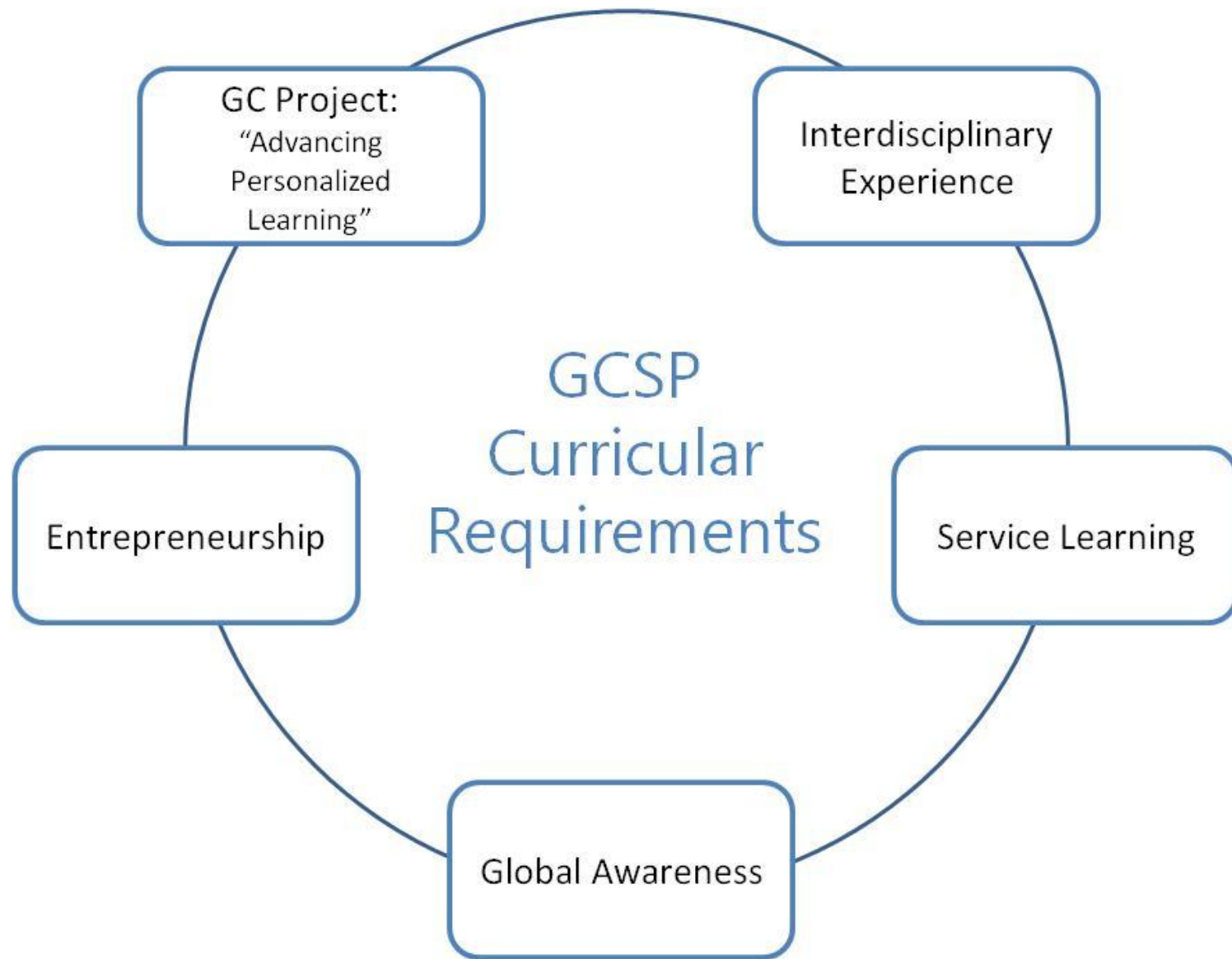
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Yevgeniya V. Zastavker (F)

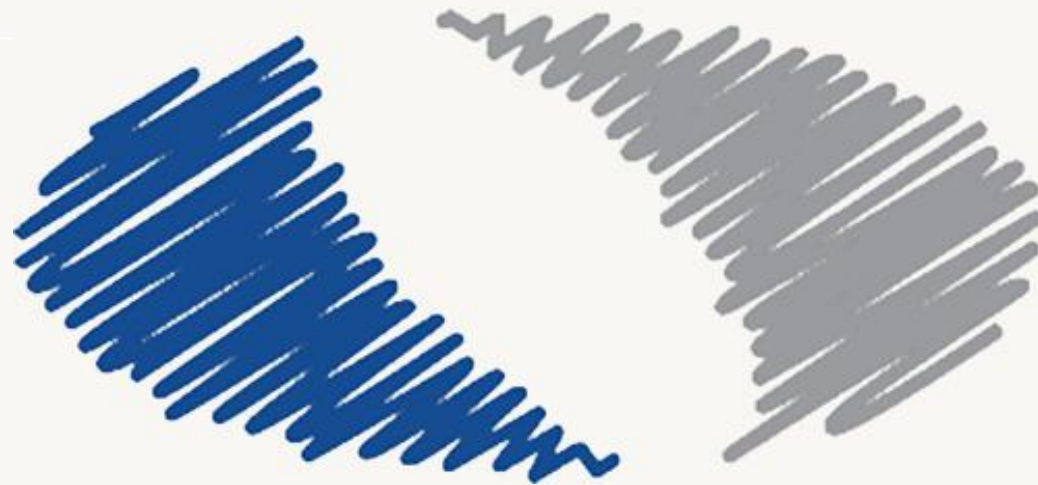
Yrinee Michaelidis '07





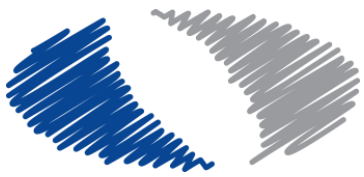


# The Olin College Grand Challenge Scholars Program



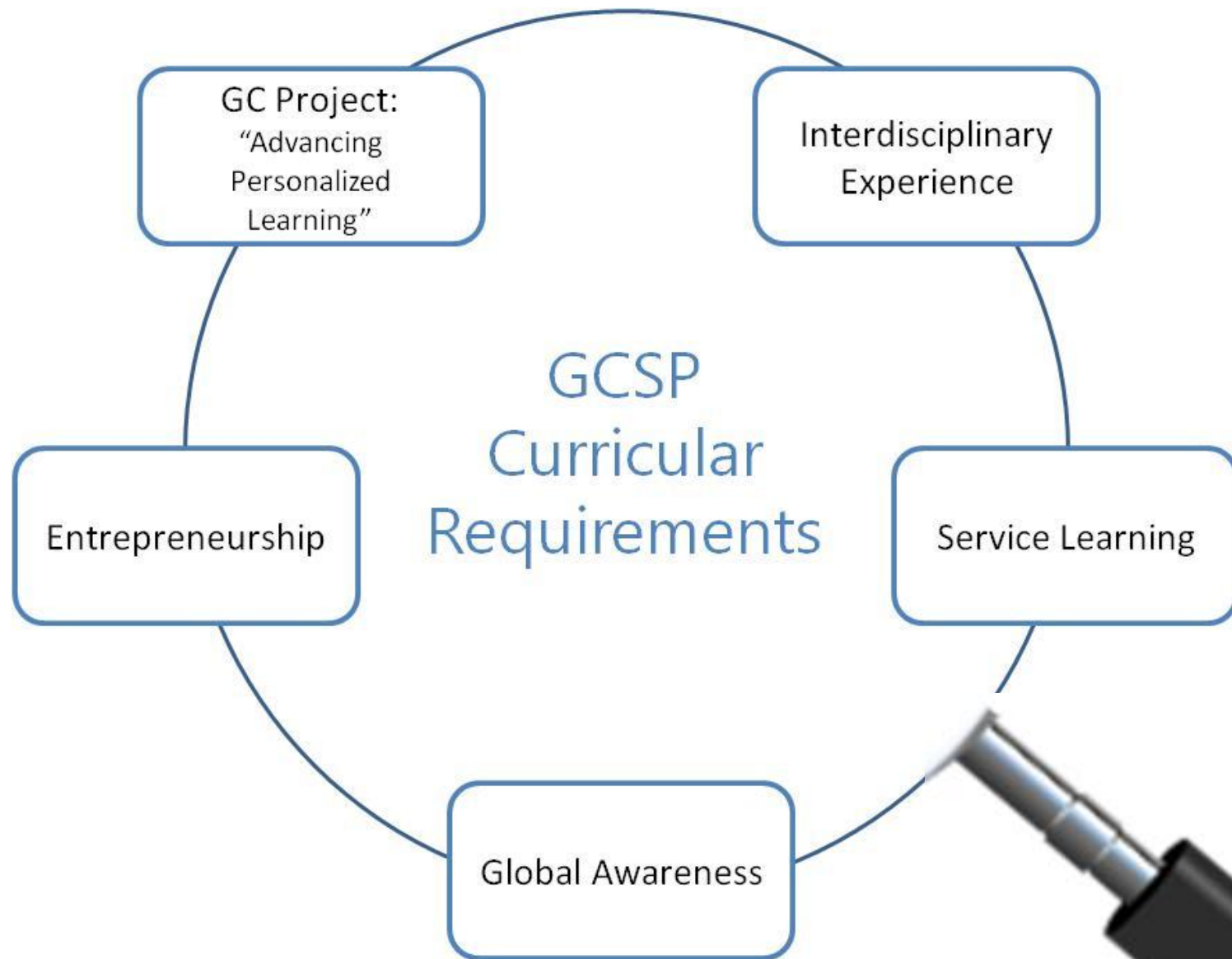
Utilizing ~~Olin Curriculum:~~  
A Student's Journey Through the GCSP

***Olin Curriculum***



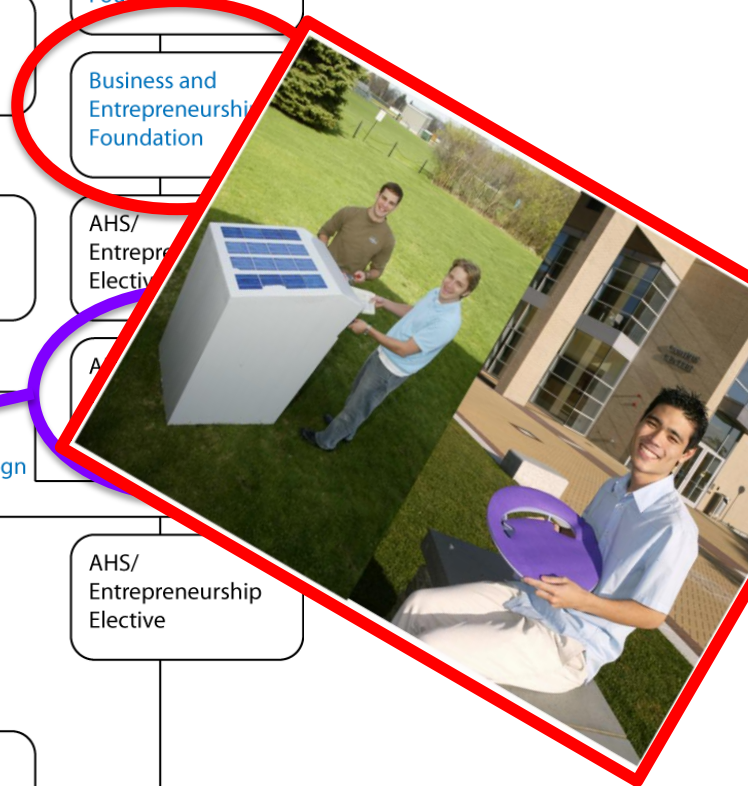
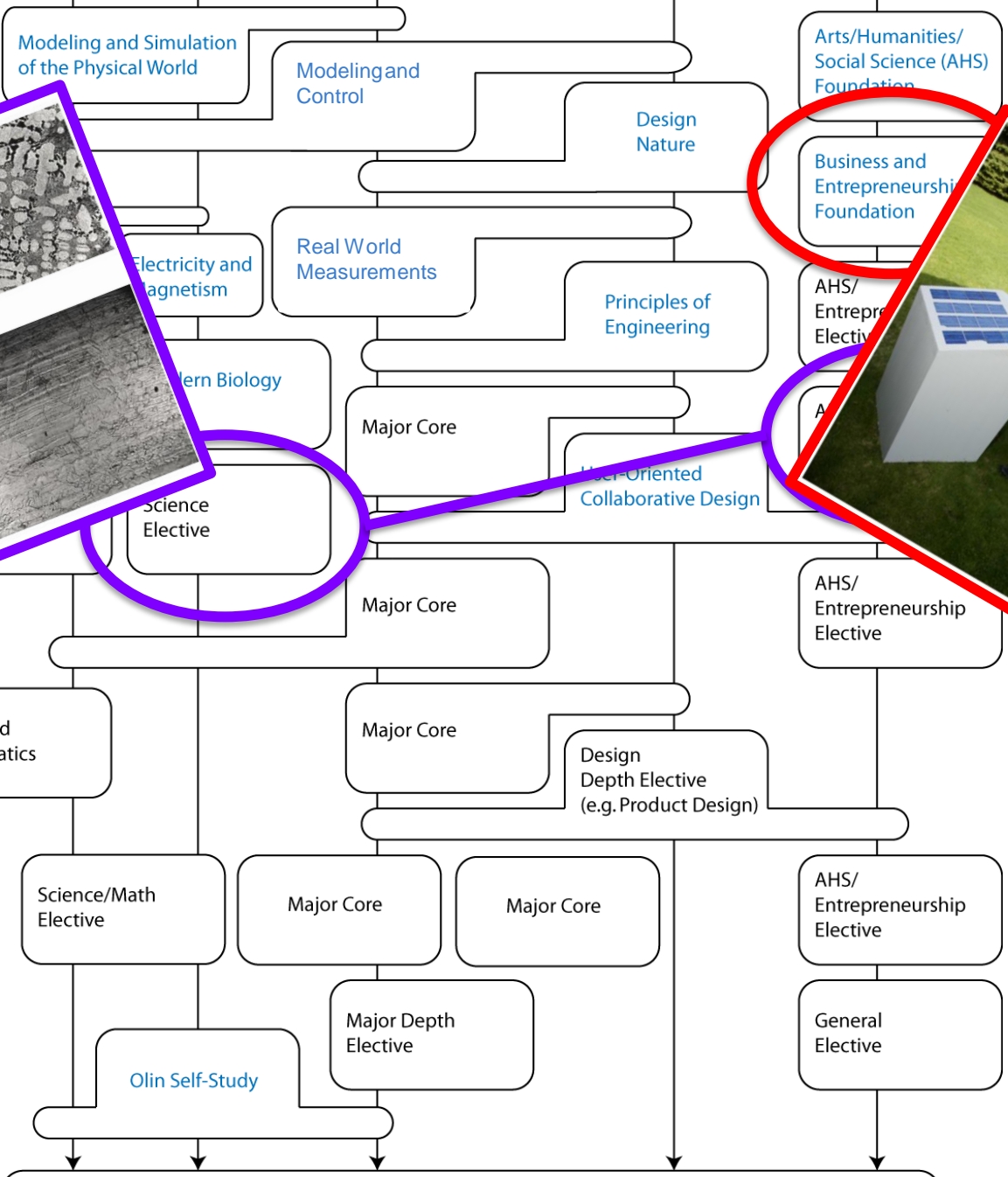
Olin's GCSP was created with the vision that it will:

1. Support and build upon **existing strengths**, cultures, and core competencies **of the Olin experience**
2. Create a **nationwide community of learners** by connecting with scholars in other schools, and involving **alumni**, faculty, and industry experts as mentors
3. **Educate leaders** capable of affecting change through means varying from entrepreneurial action to service contributions all in an effort to bridge global perspectives on issues of importance



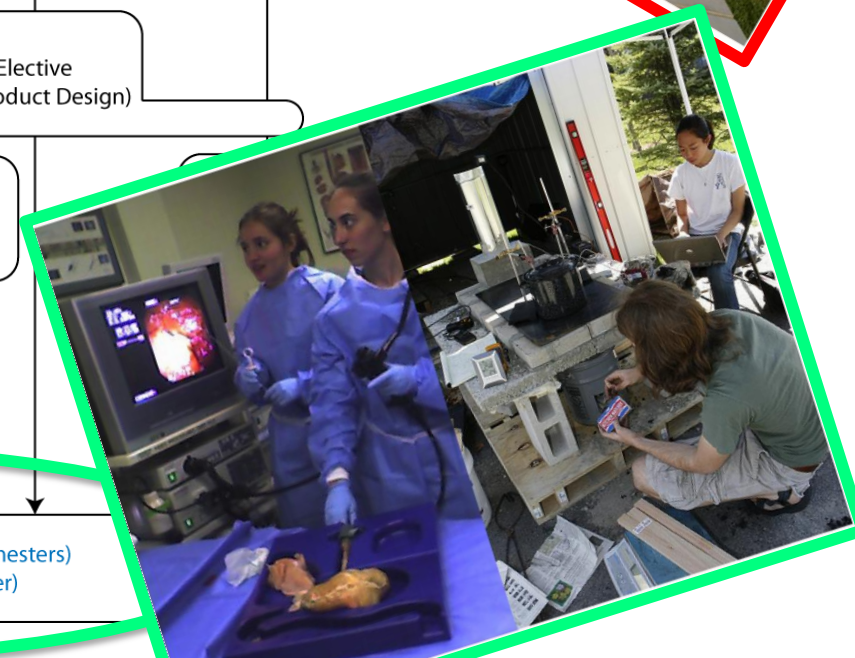
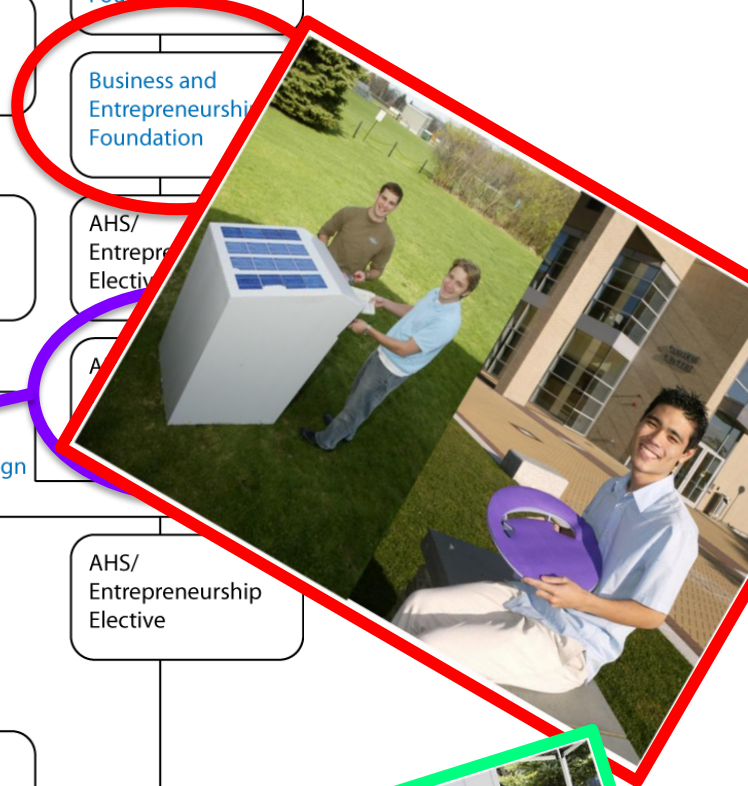
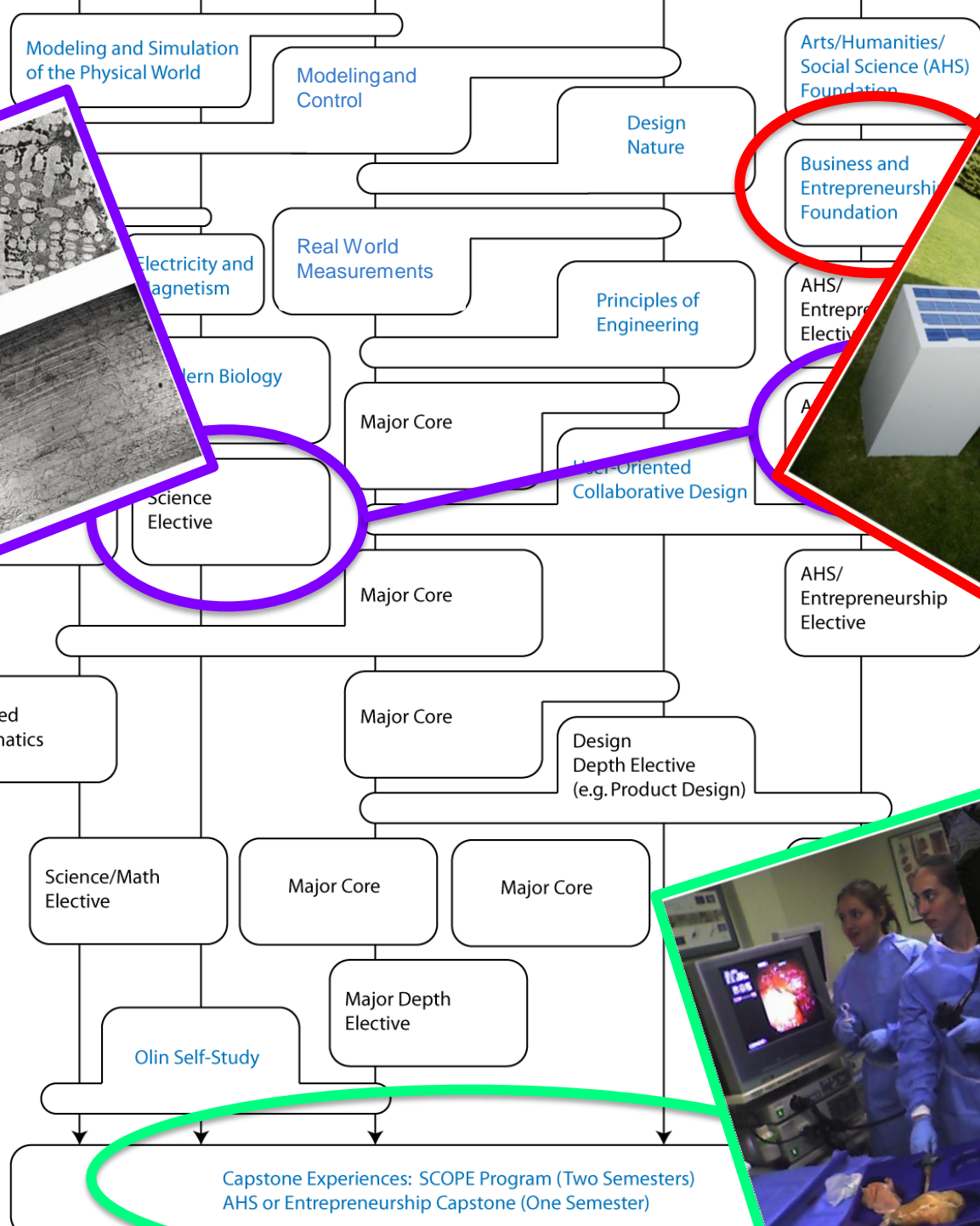


Mathematics Sciences Engineering Science Design Context



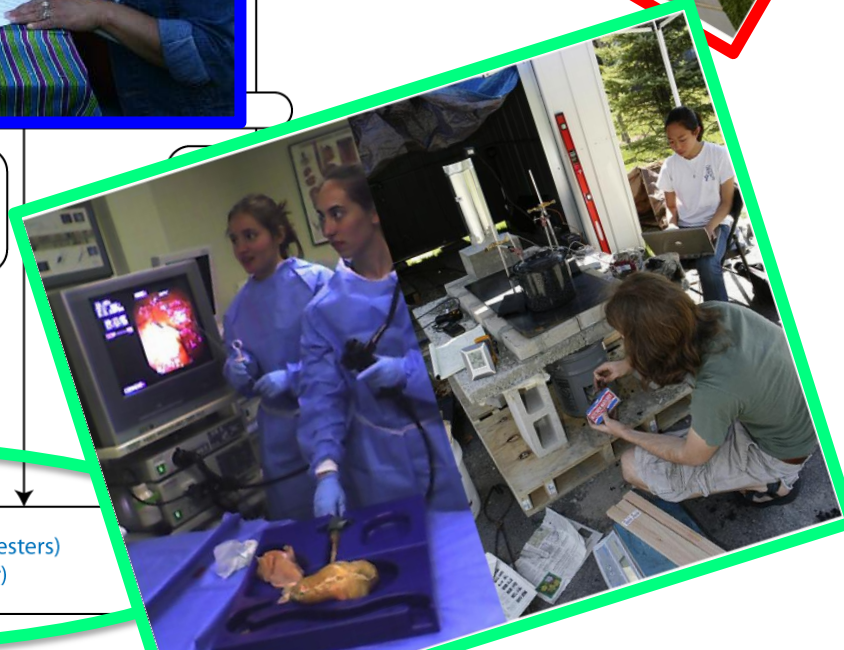
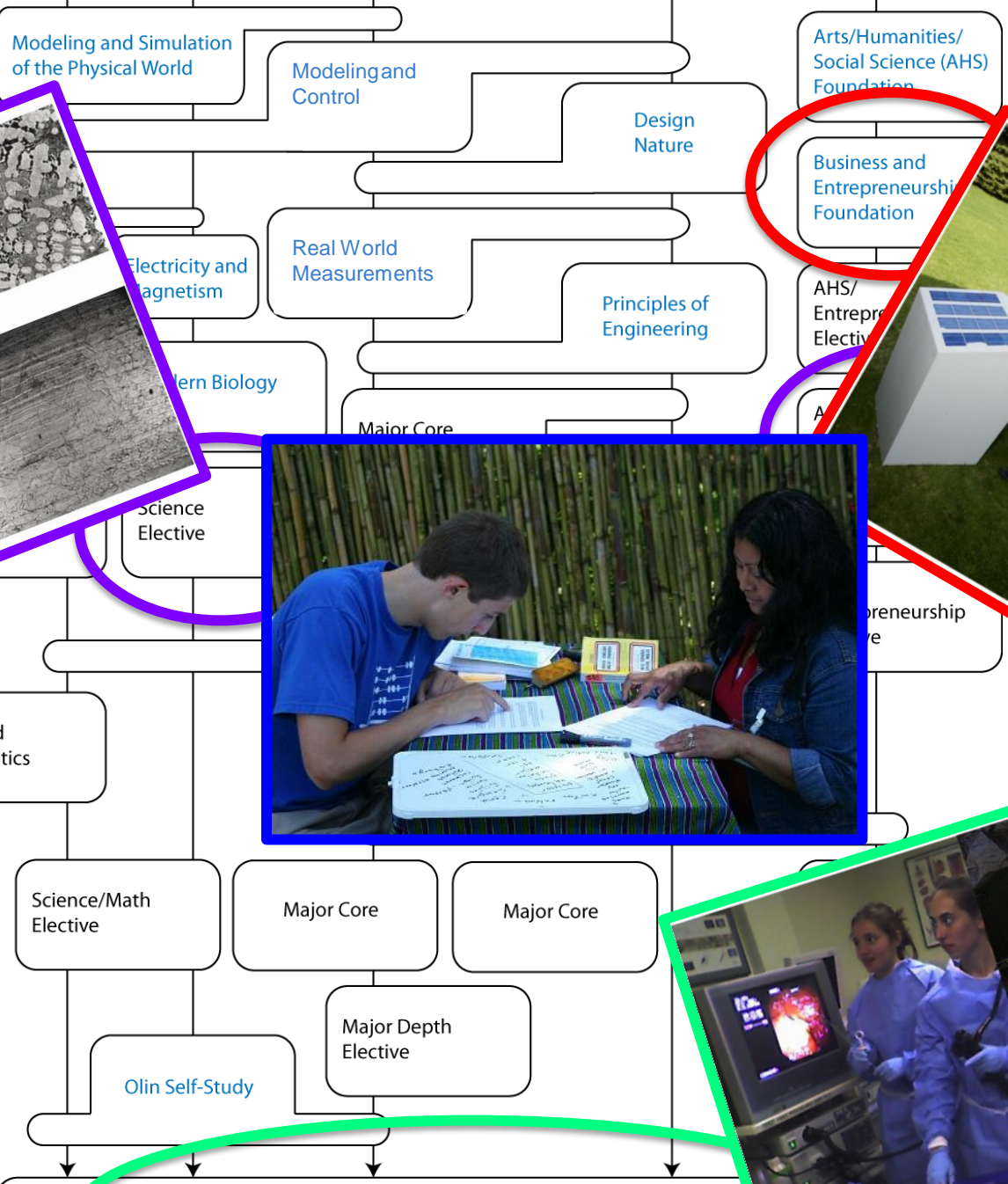
Capstone Experiences: SCOPE Program (Two Semesters)  
AHS or Entrepreneurship Capstone (One Semester)

Mathematics Sciences Engineering Science Design Context



Capstone Experiences: SCOPE Program (Two Semesters)  
AHS or Entrepreneurship Capstone (One Semester)

Mathematics Sciences Engineering Science Design Context



Advanced Mathematics

Science/Math Elective

Major Core

Major Core

Major Depth Elective

Olin Self-Study

Capstone Experiences: SCOPE Program (Two Semesters)  
AHS or Entrepreneurship Capstone (One Semester)

Mathematics Sciences Engineering Science Design Context

Modeling and Simulation of the Physical World

Modeling and Control

Design Nature

Arts/Humanities/Social Science (AHS) Foundation

Business and Entrepreneurship Foundation

Electricity and Magnetism

Real World Measurements

Principles of Engineering

Modern Biology

Major Core

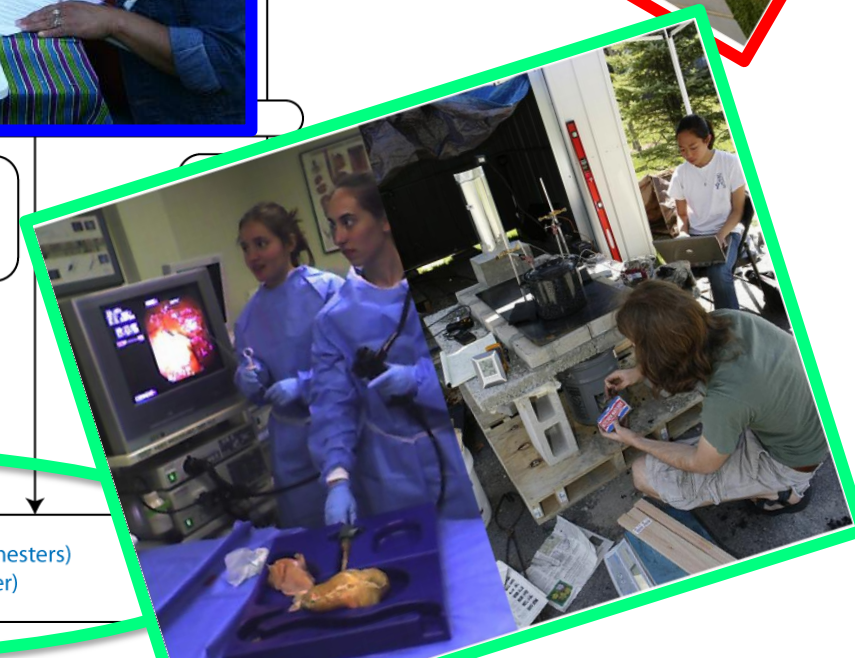
Science Elective

Entrepreneurship

Core

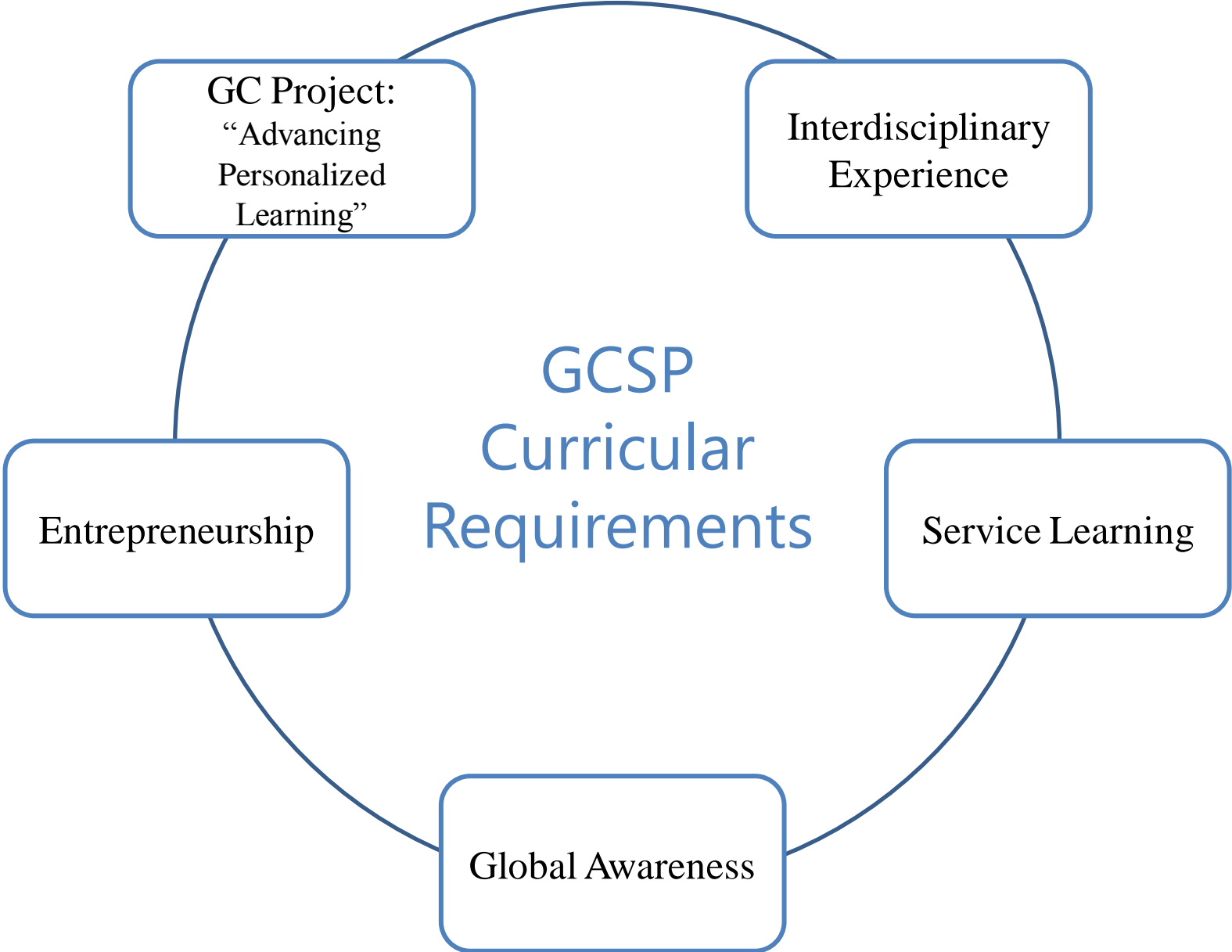
Major Core

Program (Two Semesters)  
Capstone (One Semester)



# Grand Challenge Scholars Program Experience

Marco Morales: "Creating Visual,  
Self-Directed Learning Environments"






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Marco Morales: "Creating Visual,  
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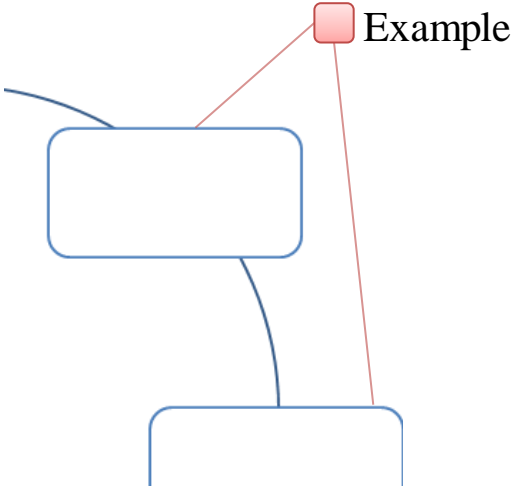
## Color for Categories

-  Course
-  Co-Curricular
-  Independent Studies
-  Personal Startups
-  Internships
-  Extracurriculars

## Size as Duration

-  < 1 Year
-  ≈ 2 Years
-  > 2 Years

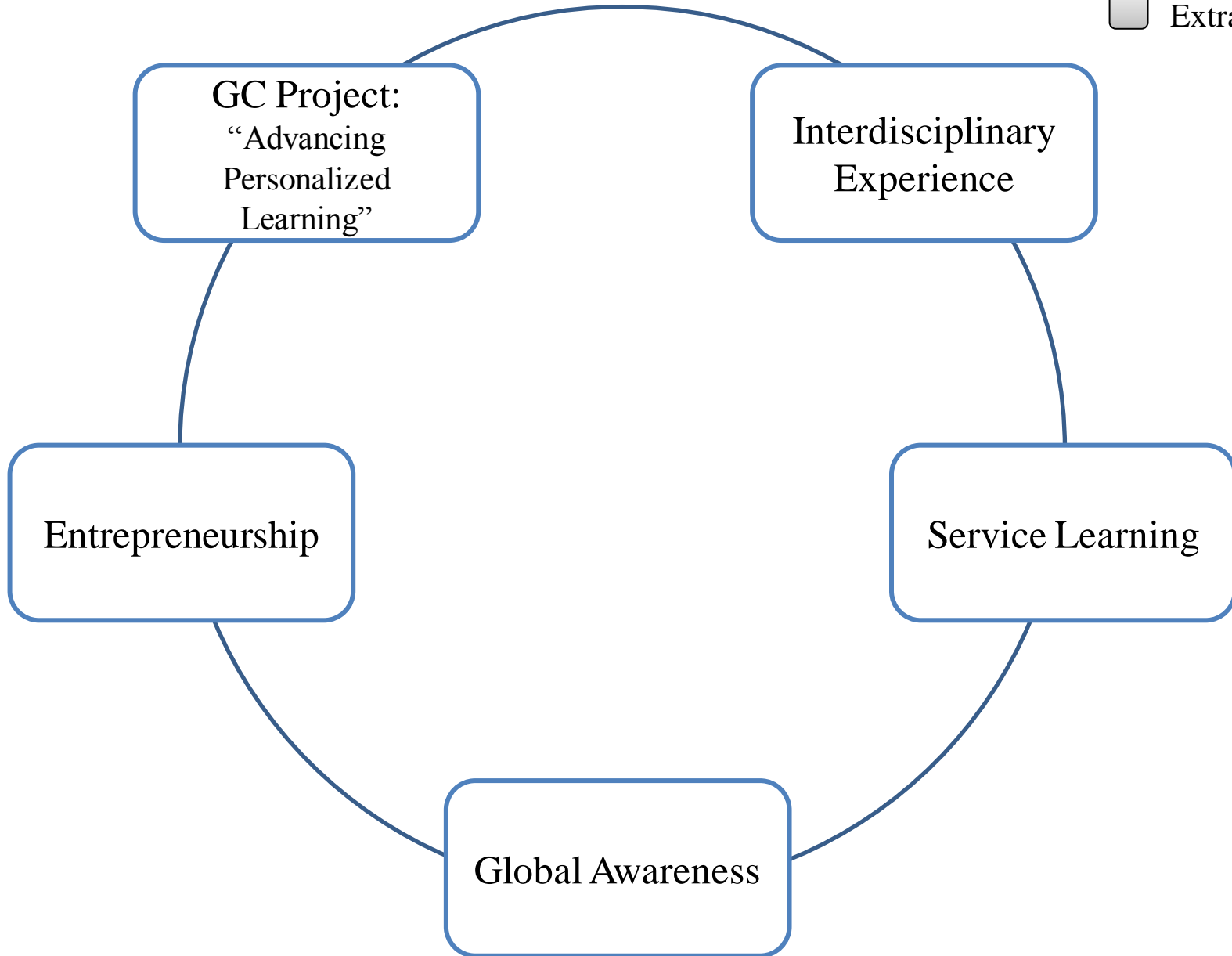
## Lines show Relevance



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Marco Morales: "Creating Visual,  
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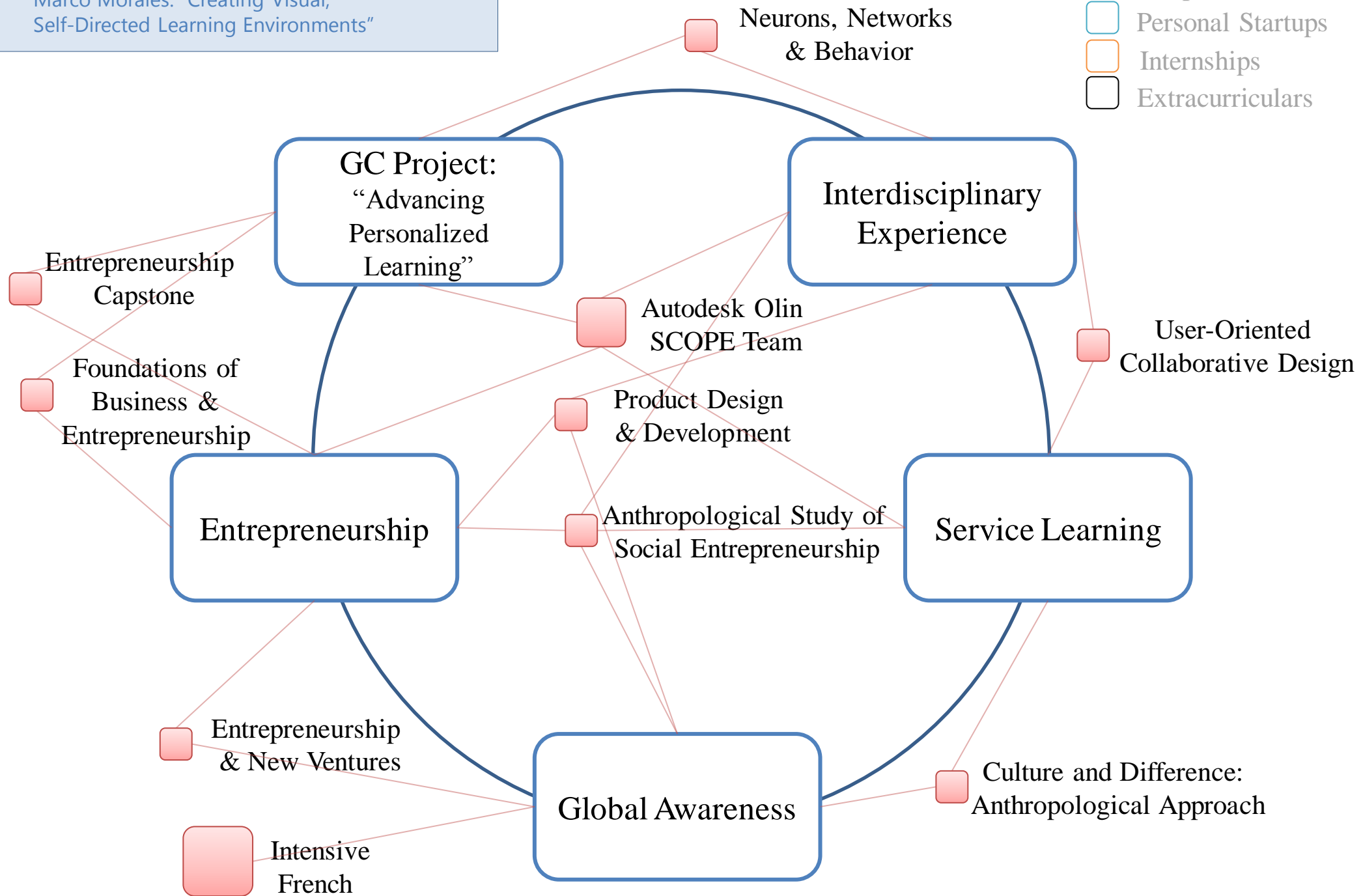
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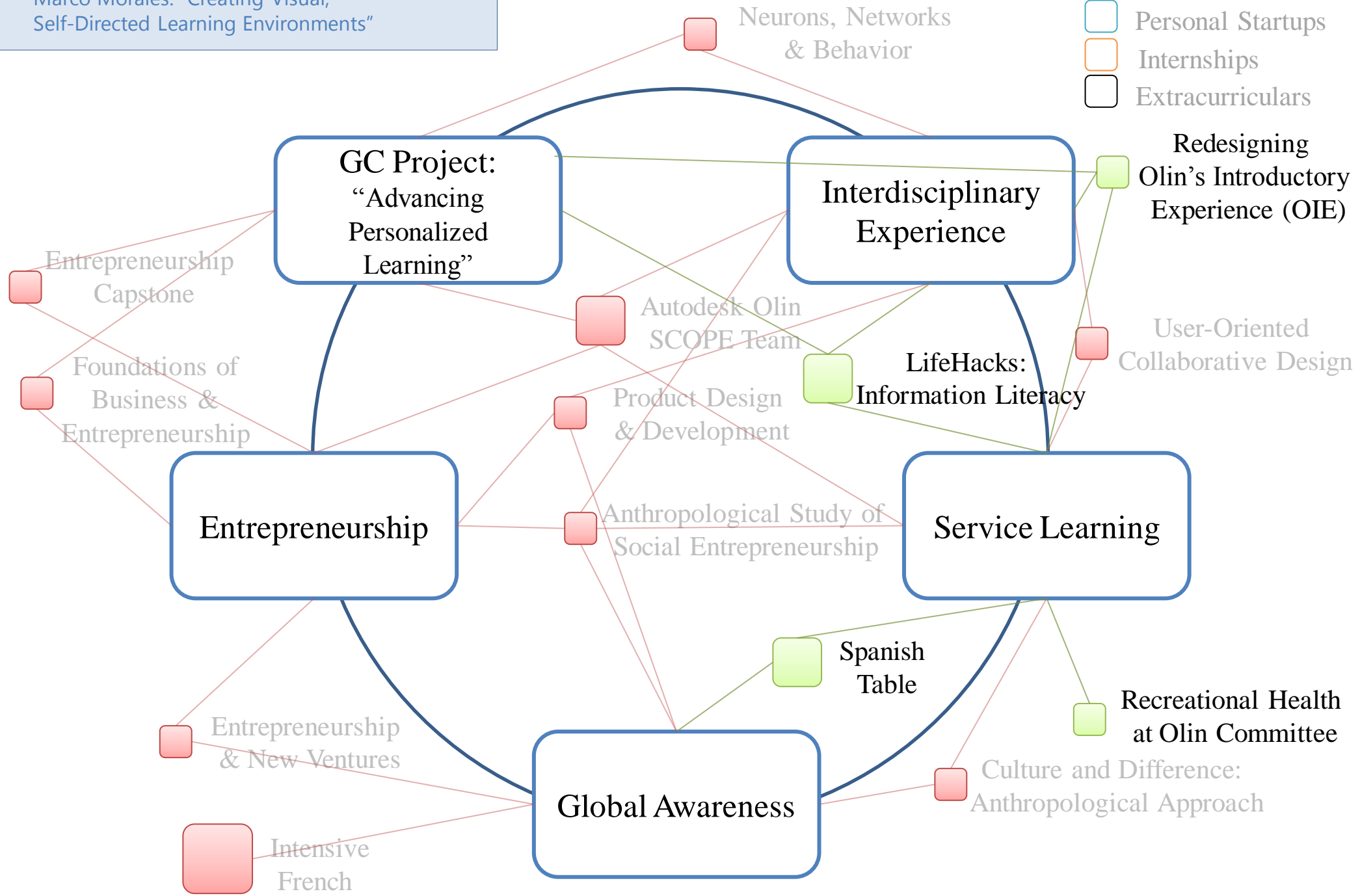
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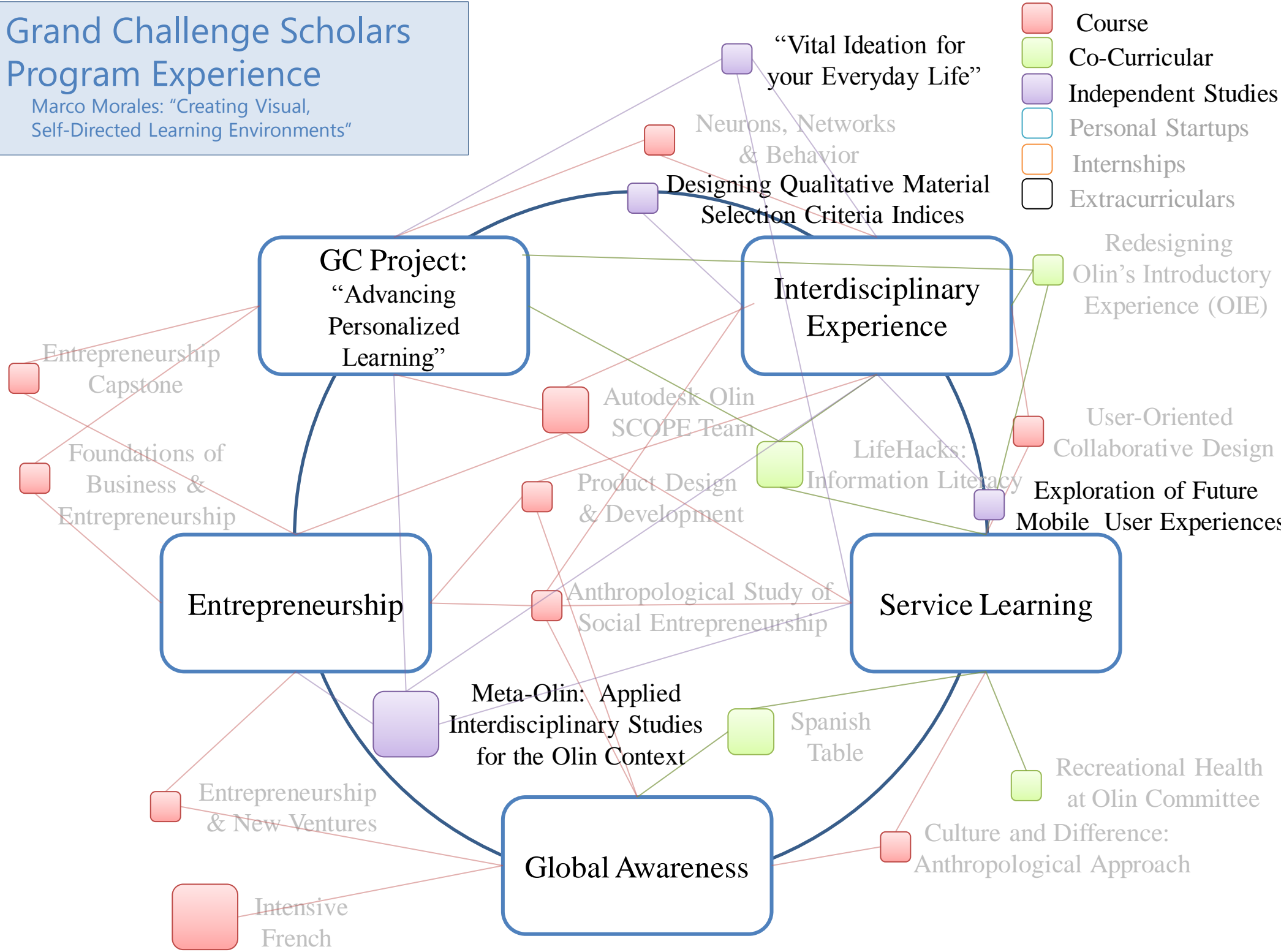
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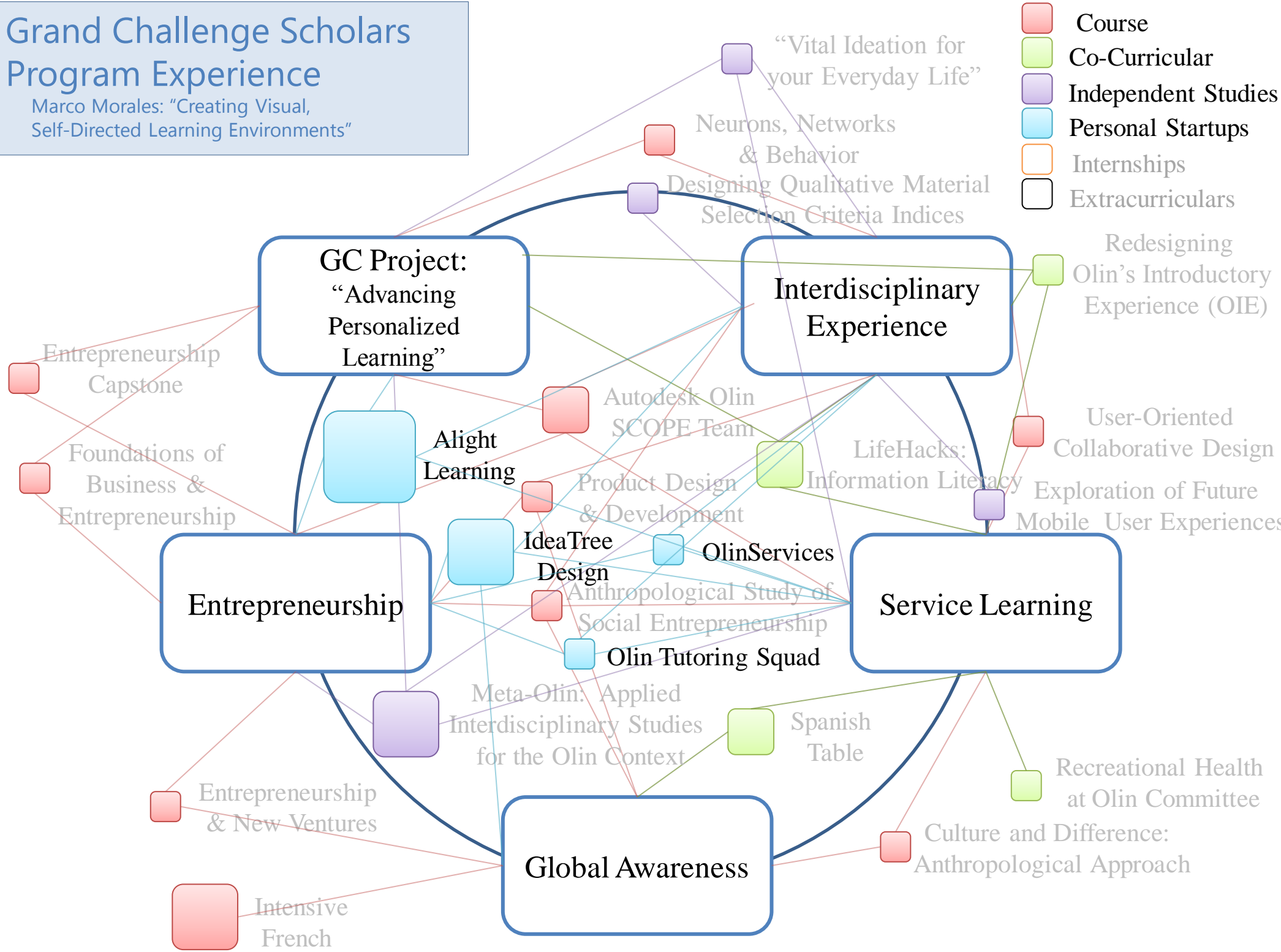
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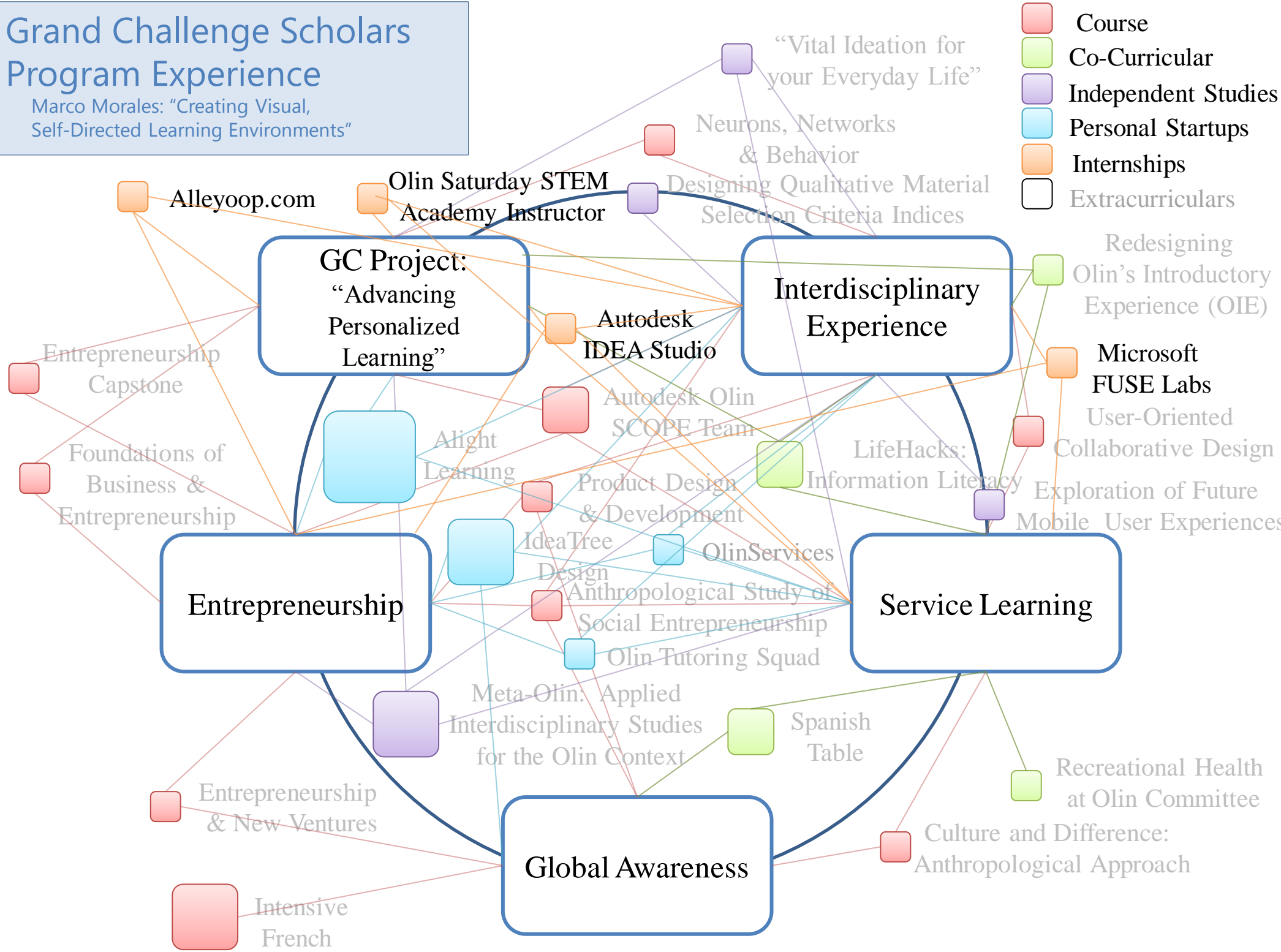
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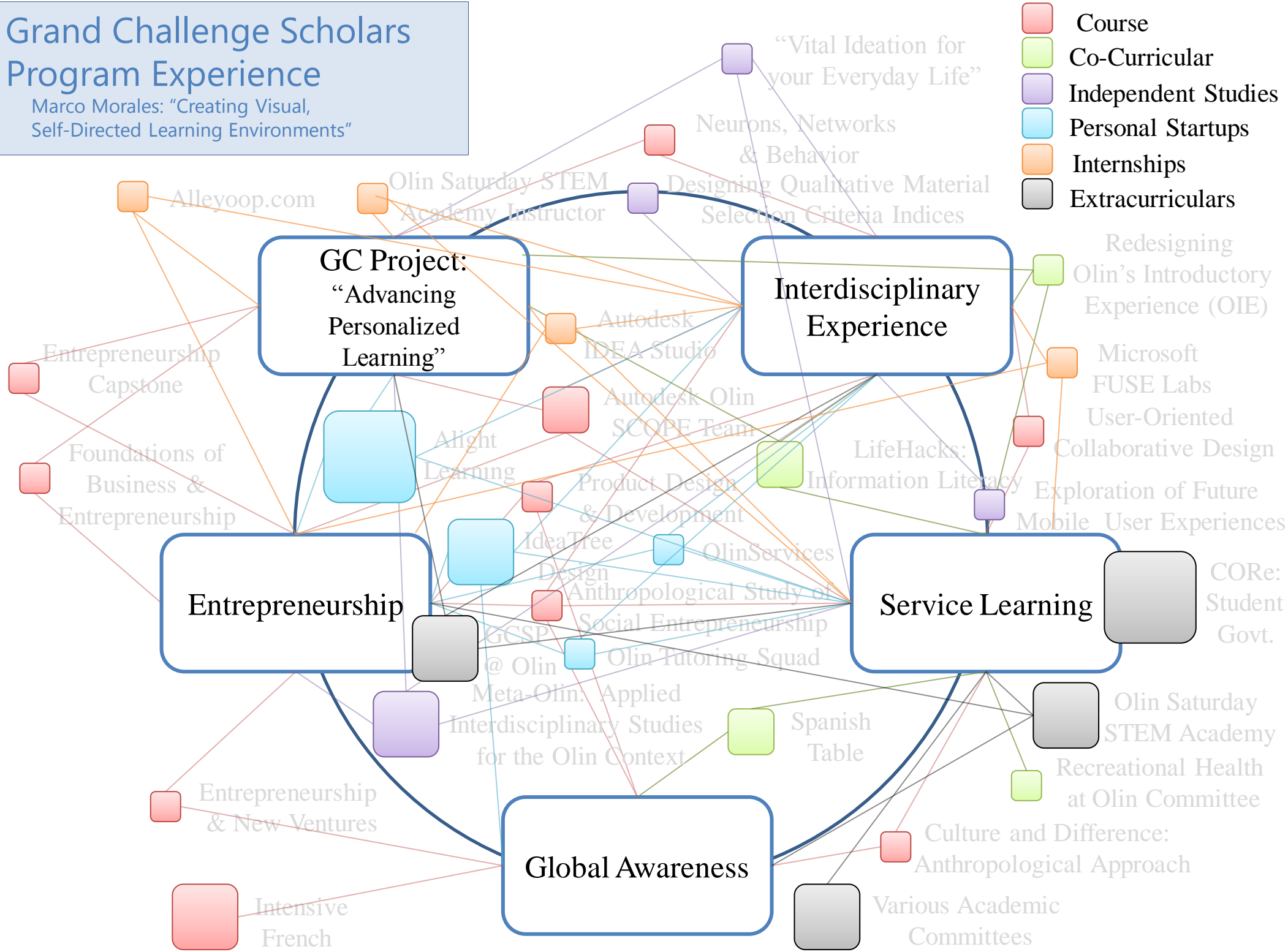




# Grand Challenge Scholars Program Experience

Marco Morales: "Creating Visual, Self-Directed Learning Environments"

- Course
- Co-Curricular
- Independent Studies
- Personal Startups
- Internships
- Extracurriculars



# Olin's GCSP

- Self-identification on the basis of
  - Interest and enthusiasm about a subject
  - Mentorship with expertise in the subject matter
- Student-defined plans of study around 5 curricular components that serve as *a lens for students' academic path*
  - Large Project
  - Entrepreneurship
  - Interdisciplinary work
  - Service Learning
  - Global Experience
- Large emphasis on
  - reflection and
  - Self-direction as learning and evaluation tools



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