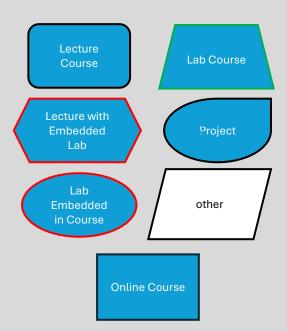
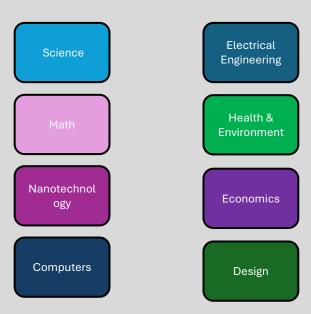
#### University of Waterloo

# Nanotechnology Engineering Undergraduate Program Course Map

#### **Shapes Legend:**



#### Colours Legend:





#### **Table of Contents**

Click one of the links below to see a specific map:

**Core Course Map** 

Core Lab Course Map

Nanoelectronics Specialization

**Nanofabrication Specialization** 

Nanobiosystems Specialization

**Nanomaterials Specialization** 

**Co-op Term Course Requirements** 

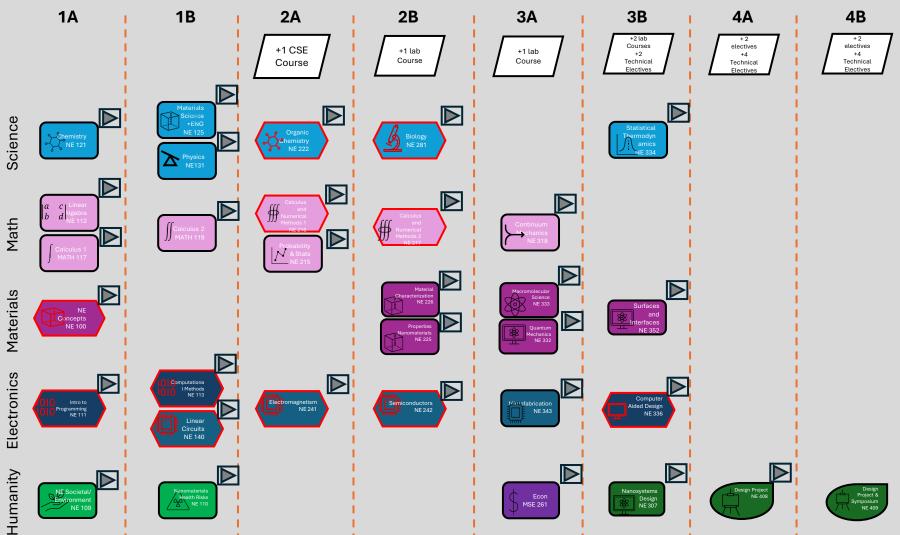
**Lone Course** 

#### **Instructions:**

- Select any map title to the left to view the corresponding course page
- Click the Home tab
   Home on any page to return to the table of contents
- click the triangle tab next to the course icon to view its specific course map
- When viewing a map for a specific course, click on the triangle of that course again to return to the homepage of that course
- Select any course to visit its webpage



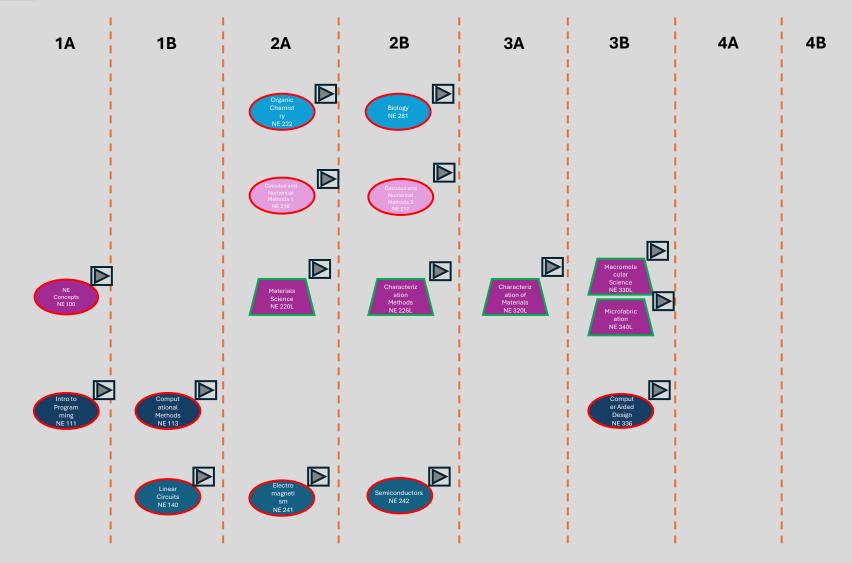








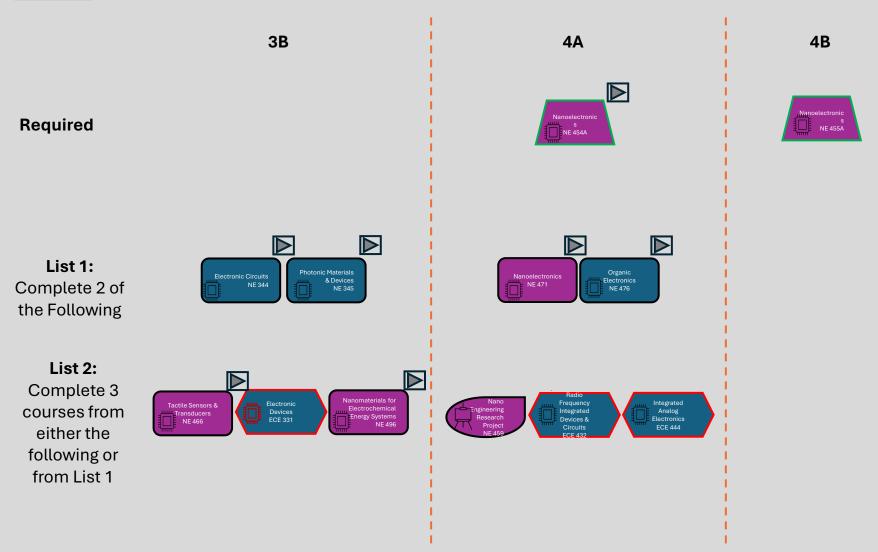
### Core Labs Map







#### Nanoelectronics Specialization







#### **Nanofabrication Specialization**

**3B** 

**4A** 

**4B** 

If choose this course,

students must take ME 596B, Course

> offered when available.

Special Topics in

Engineering

#### Required

#### List 1:

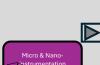
Complete 2 of the Following

#### List 2:

Complete 3 courses from either the following or from List 1













#### Nanobiosystems Specialization

**3B** 

**4A** 

ms NE 454C

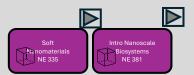
**4B** 

ms NE 455C

#### Required



Complete 2 of the Following



Nanobiotechnolog ₩ NE 481

#### List 2:

Complete 3 courses from either the following or from List 1















#### **Nanomaterials Specialization**

**3B** 

JL

Nanostructure
Materials
J. NE 454D

**4B** 



#### Required

#### List 1:

Complete 2 of the Following



## Nanostructured Materials NE 491

#### Industrial Metallurgy ME 435







#### List 2:

Complete 3 courses from either the following or from List 1





#### Co-op Term Course Requirements

PD 11

PD 19

PD 20

+ 2 Additional PD Courses

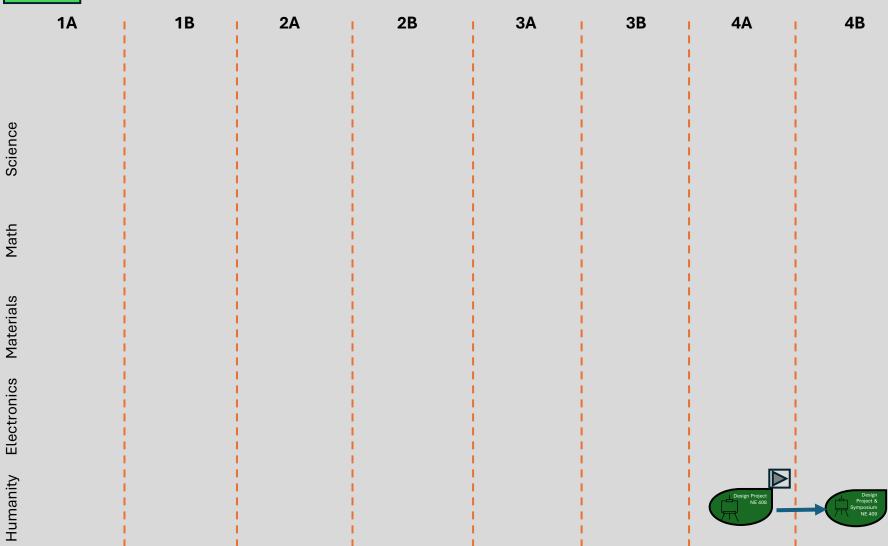
+5 Co-op Work Terms



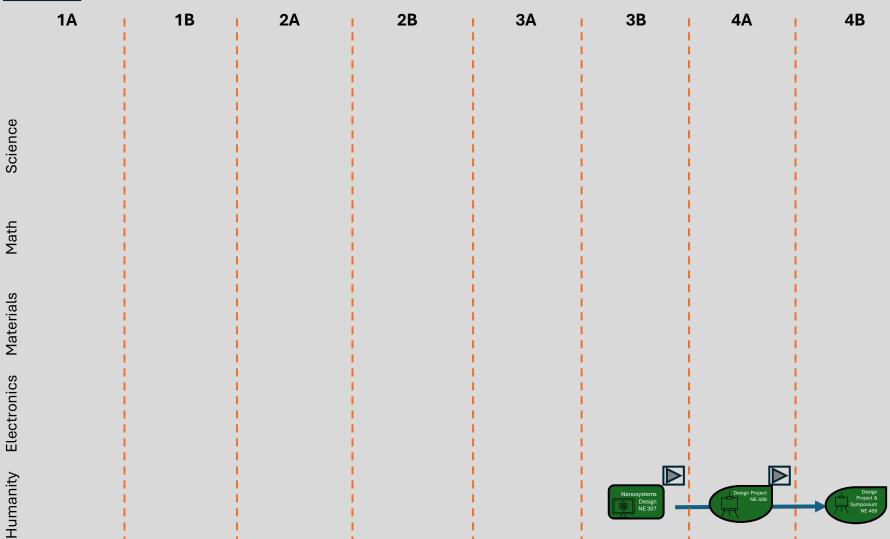
## Lone Course Map

1A	1B	2A	2B	3 <b>A</b>	3B	4A	4B
	-    -	-   					
Science		 	 	 	 		
	-    -						
Math		 	 	 	 		
Materials			 		 		
Electronics			 		 	Simulation Methods NE 451	
Humanity			 	 	 		

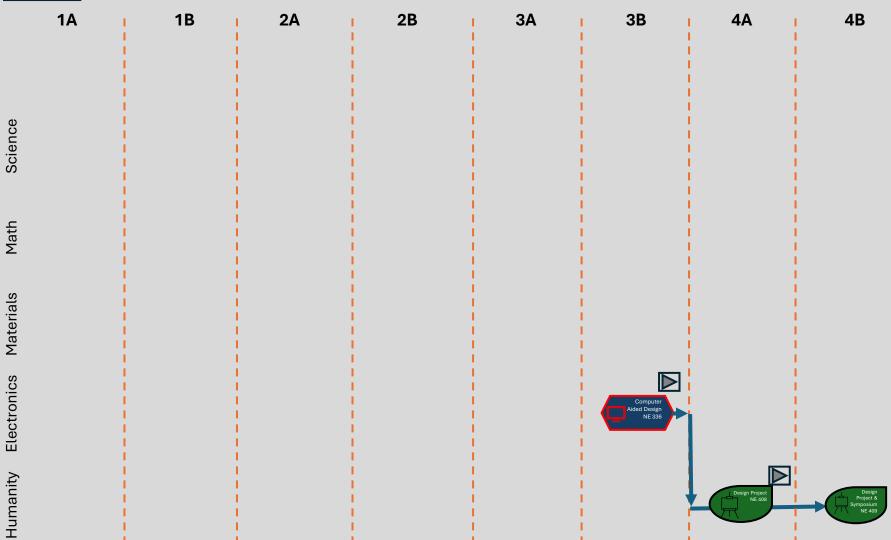






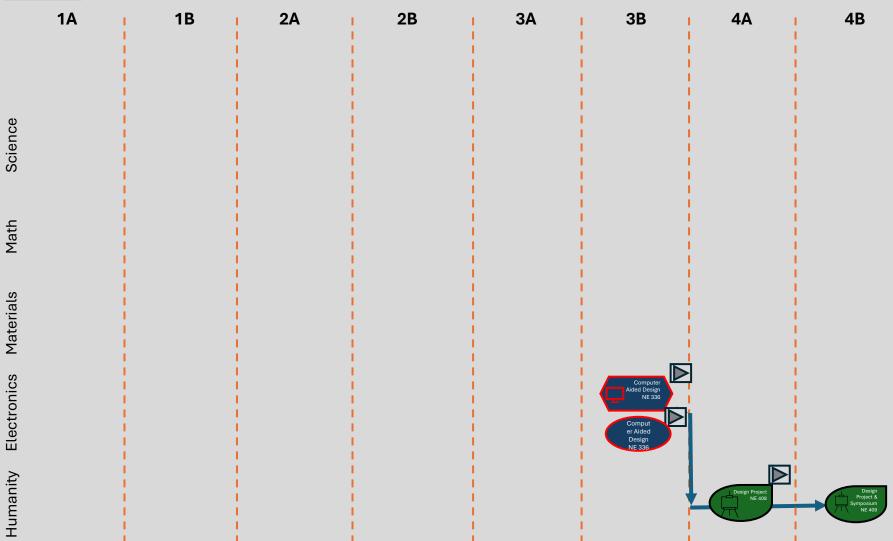




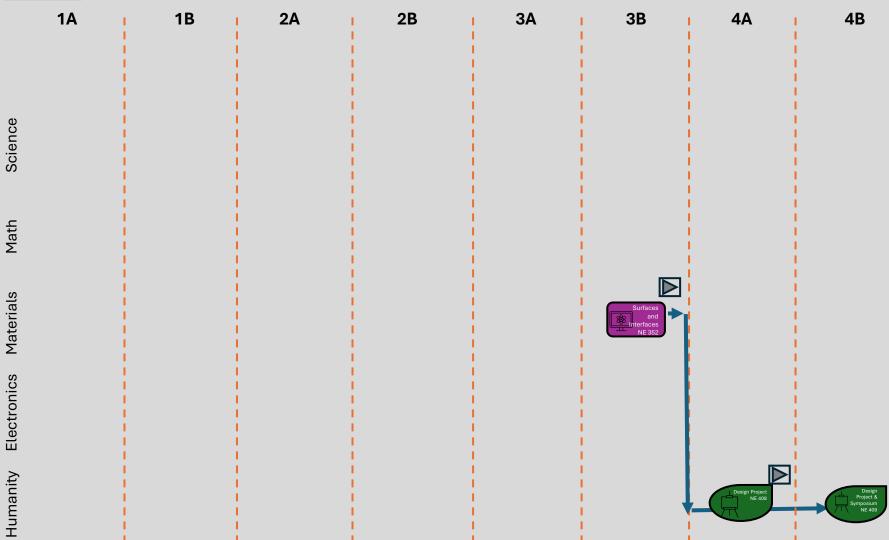




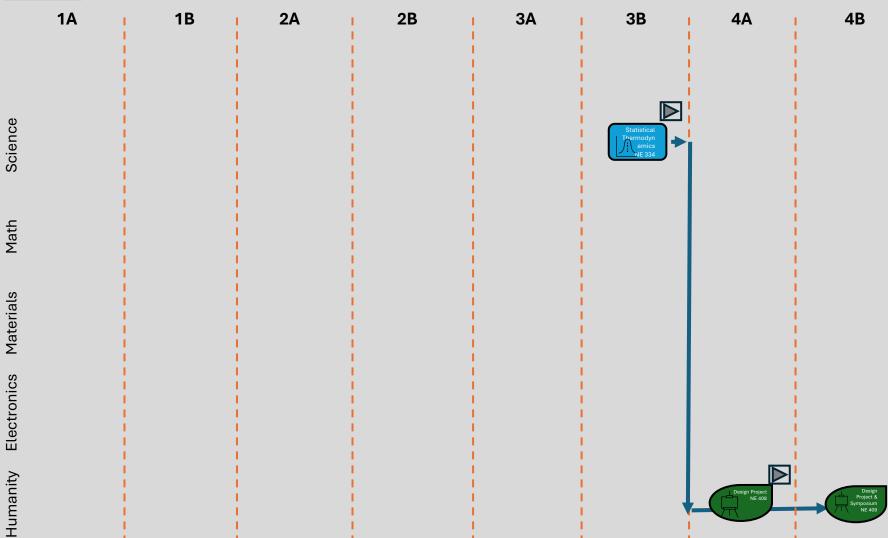
### Core Labs Map













**1A** 

1B

**3B** 

**4A** 

**4B** 

**3A** 

**2A** 

**2B** 



Materials

Electronics





**3A** 

**4A** 

**2B** 

1B







**4B** 







3B





**1A** 



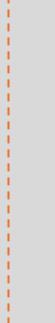












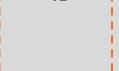
































### Core Labs Map

**1A** 1B **2A 2B 3A 3B 4A 4B** 



Materials

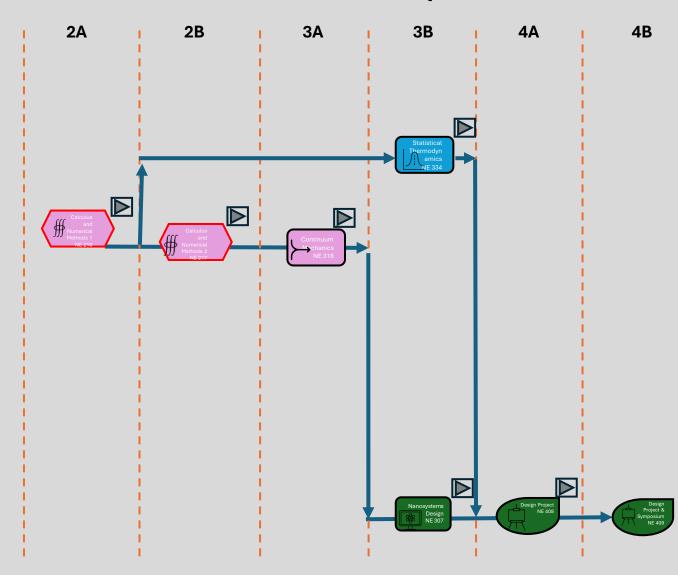
Electronics

**1A** 

1B

Materials

Electronics





### Core Labs Map

**1A** 

1B

**2A** 

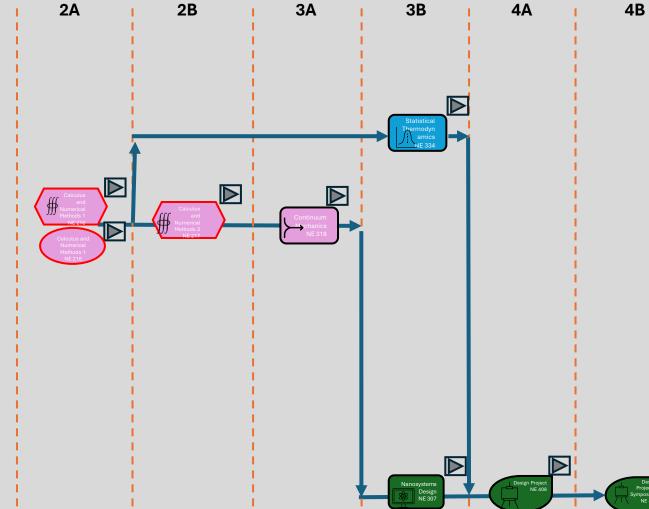
**2B** 

**3A** 

**4B** 

Materials

Electronics



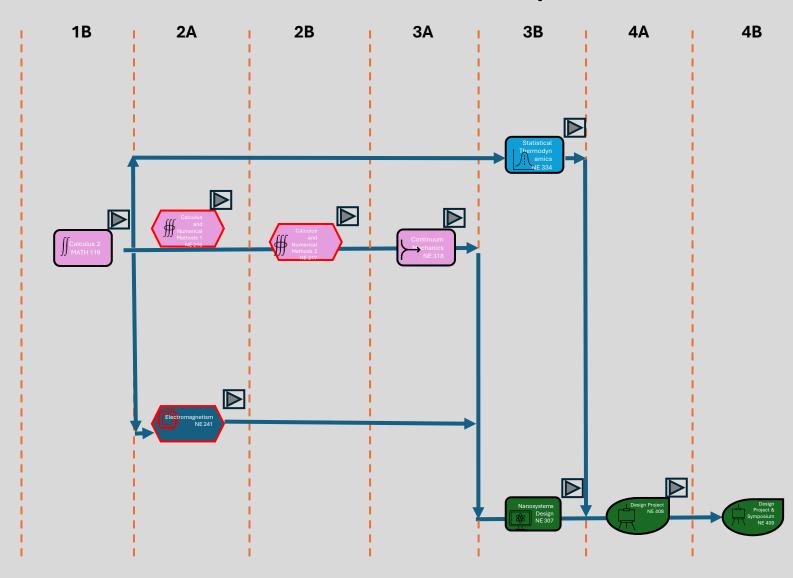


**1A** 

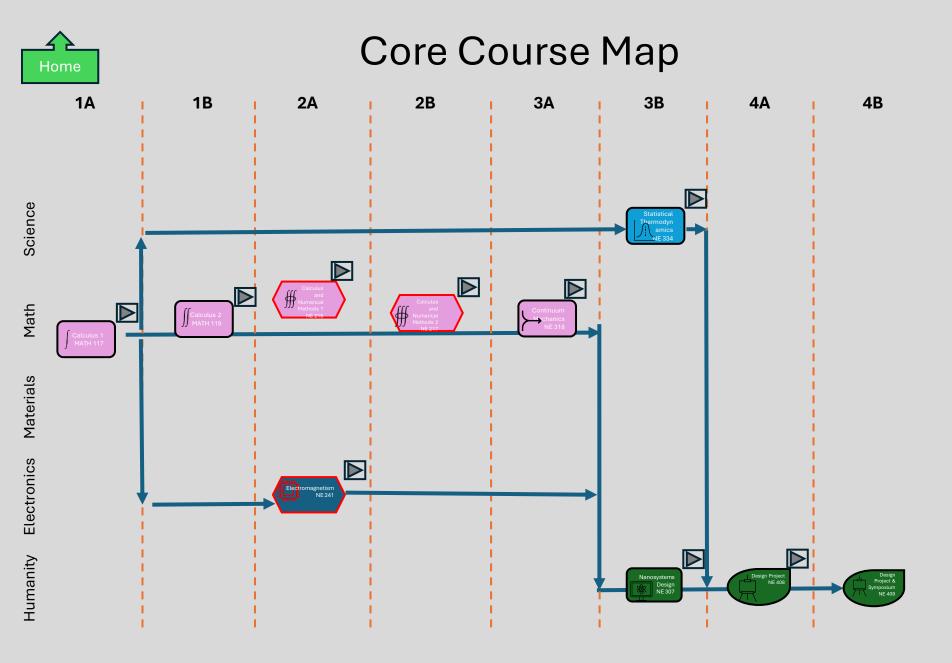
Science

Materials

Electronics









**4B** 



**1A** 1B **2A 2B 3A 3B 4A** Materials Electronics Humanity



**4B** 



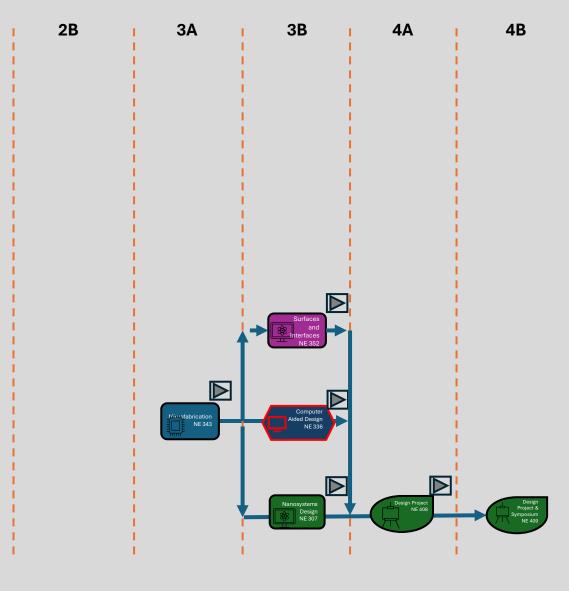
**1A** 1B **2A 2B 3A 3B 4A** Materials Electronics Humanity

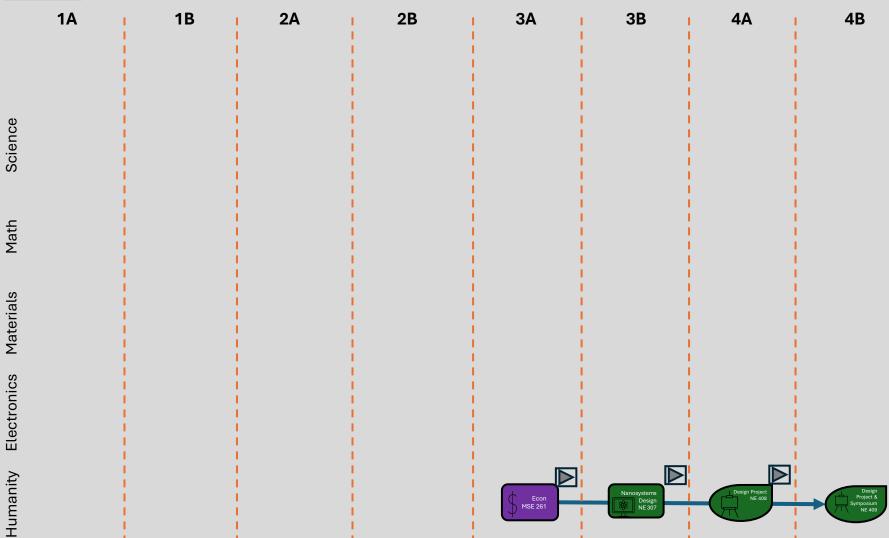




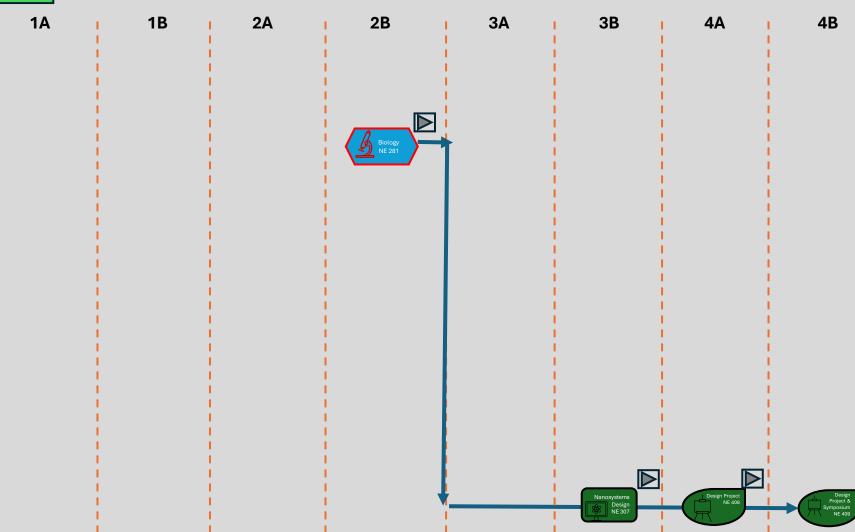
**1A** Materials Electronics Humanity













Materials

Electronics

**1A** 1B **2A 2B 3A 3B 4A 4B** 



Materials

Electronics



**1B** 

2A

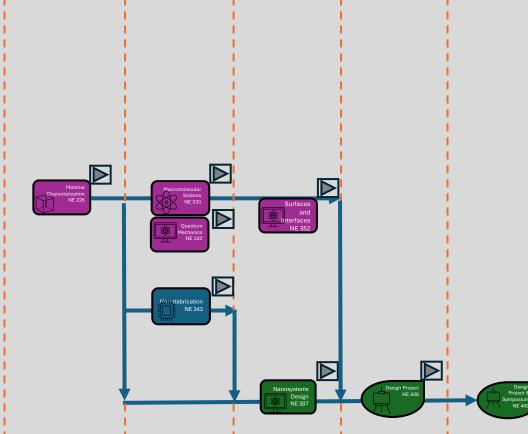


**3A** 

**3B** 

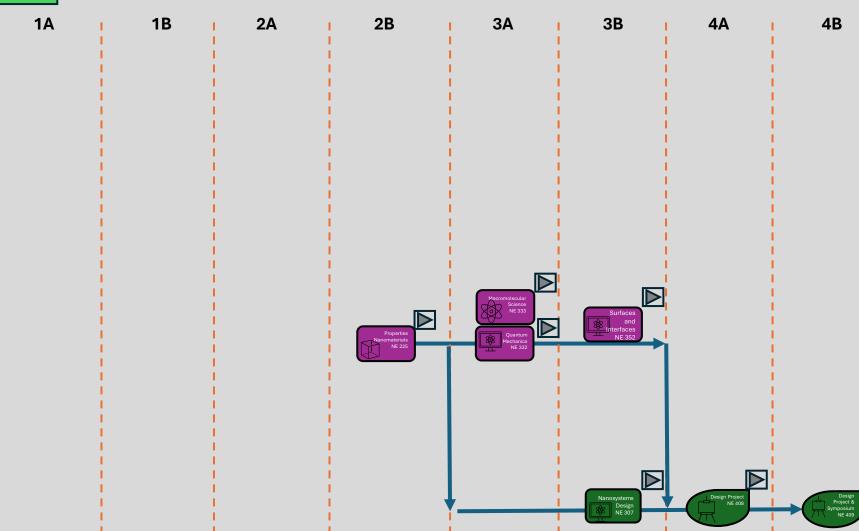
**4A** 

**2B 4B** 



Materials

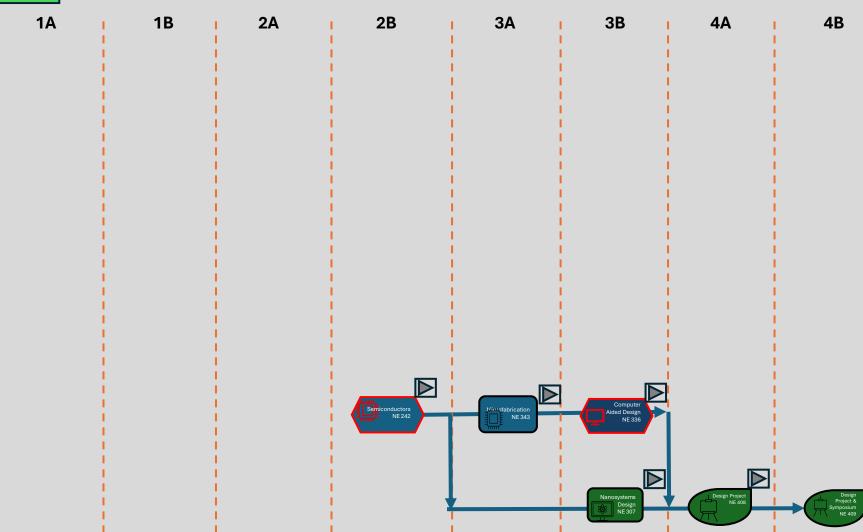
Electronics





Materials

Electronics





Materials

Electronics

**1A** 1B 2A **2B 3A 3B 4A 4B** Materials Electronics Humanity

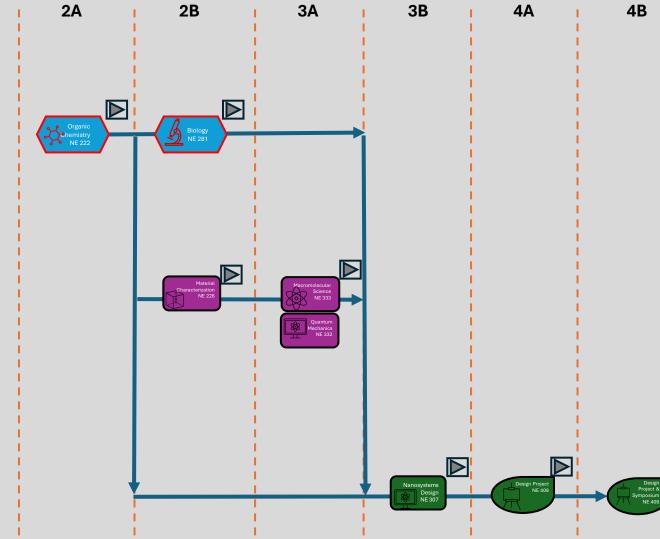


**1A** 

1B

Materials

Electronics



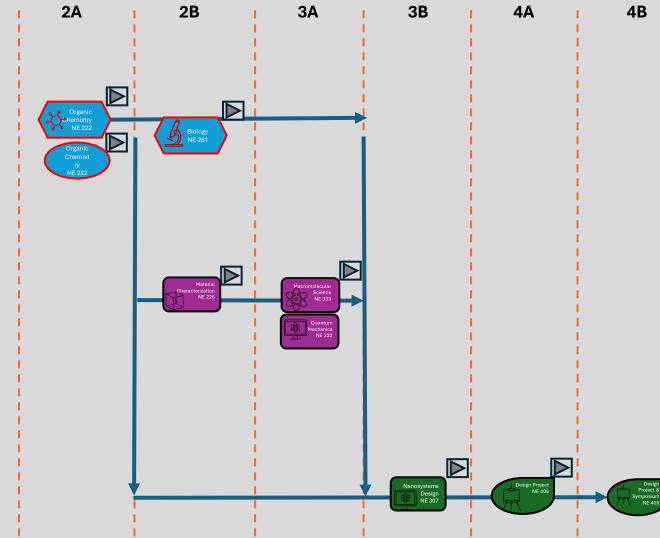


**1A** 

1B

Materials

Electronics





**1A** 

1B

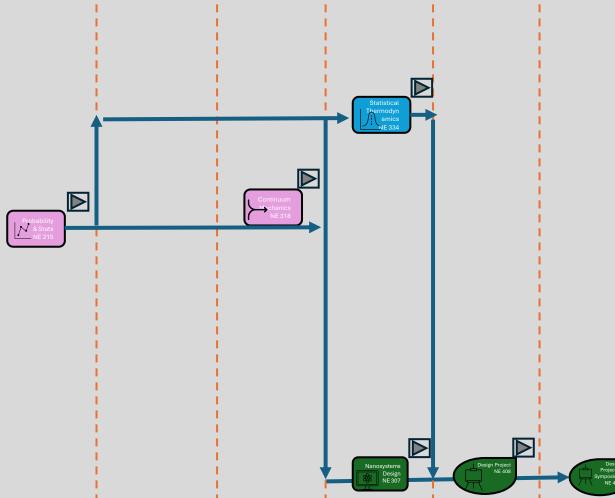
**2A** 

**4A** 

**4B** 

**2B 3A** 3B







Materials

Electronics

**1A** 1B **2A 2B 3A 3B 4A 4B** 



Materials

Electronics

**1A** 1B **2A 2B 3A 3B 4A 4B** 



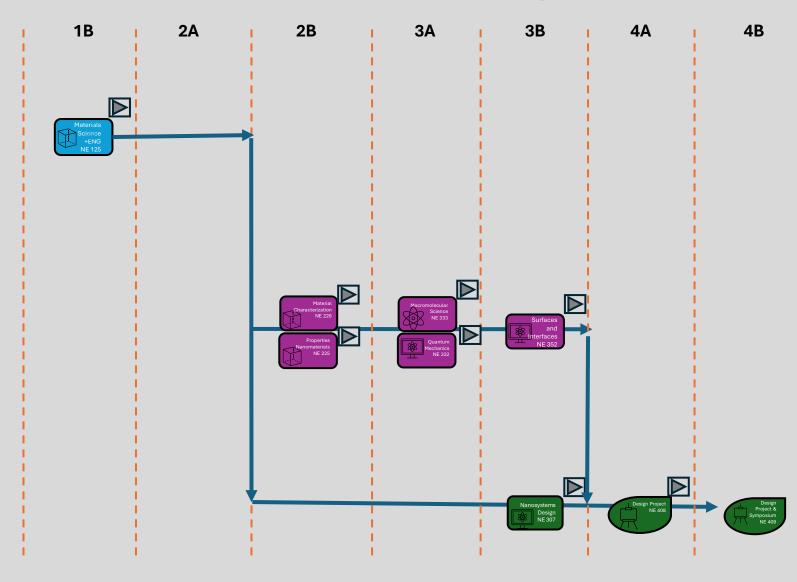
Materials

Electronics

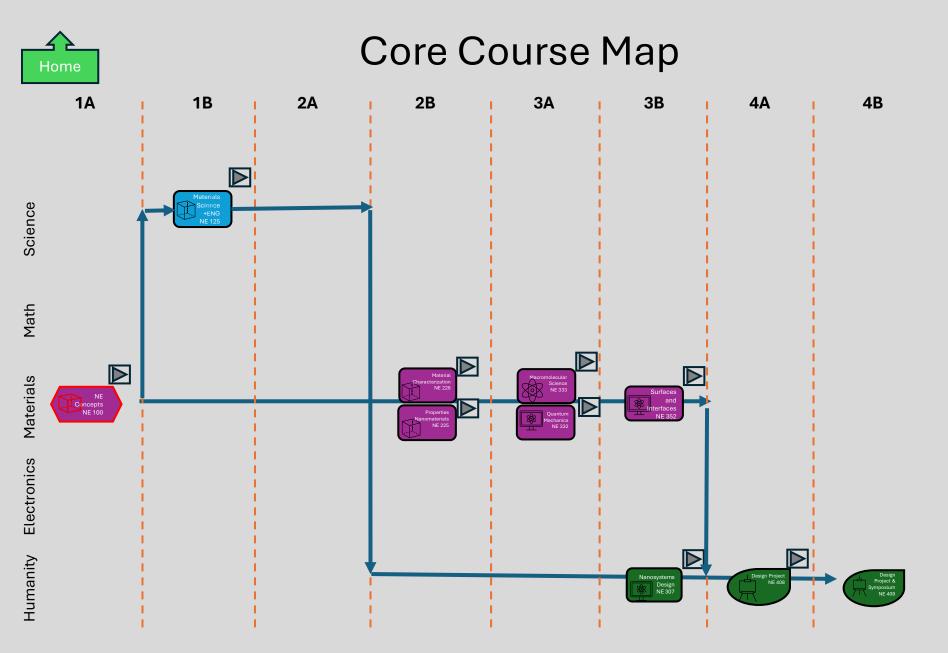
**1A** 

Materials

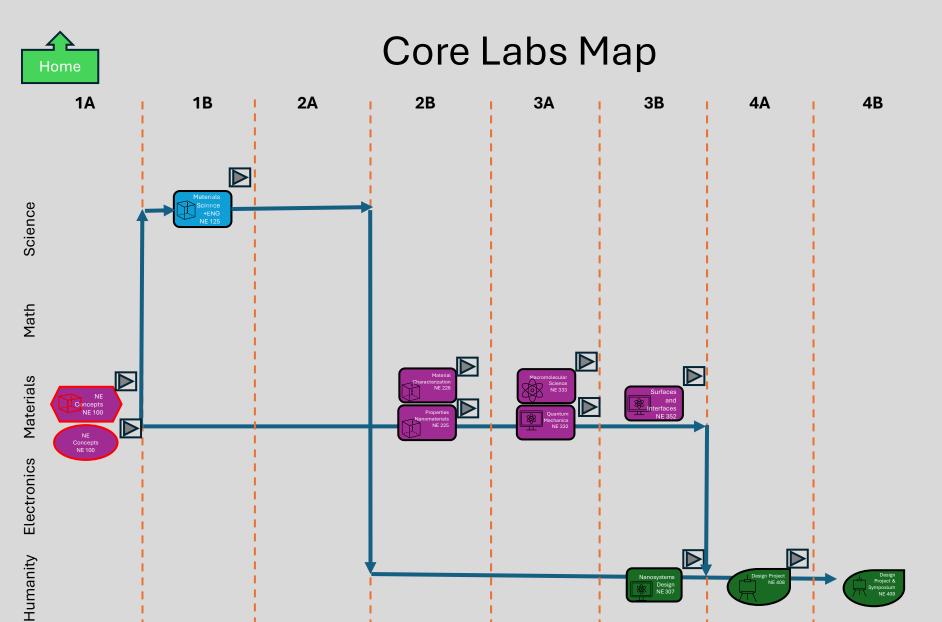
Electronics













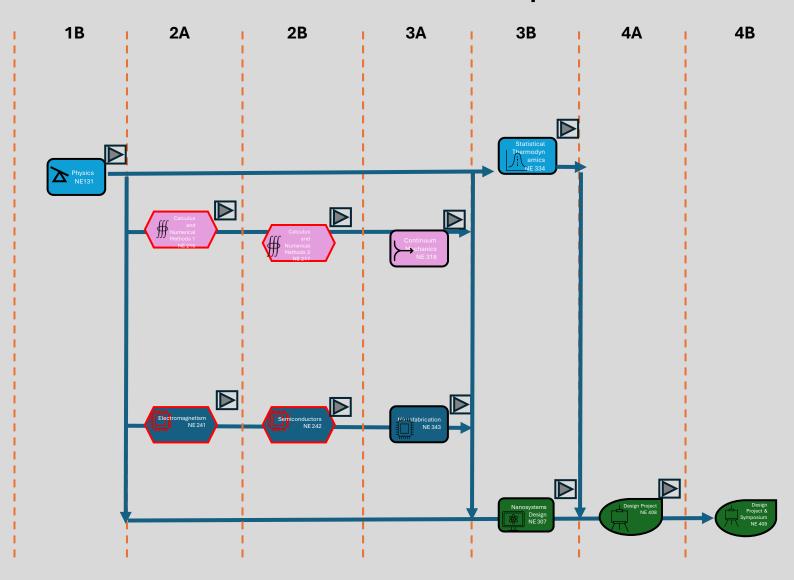


**1A** 

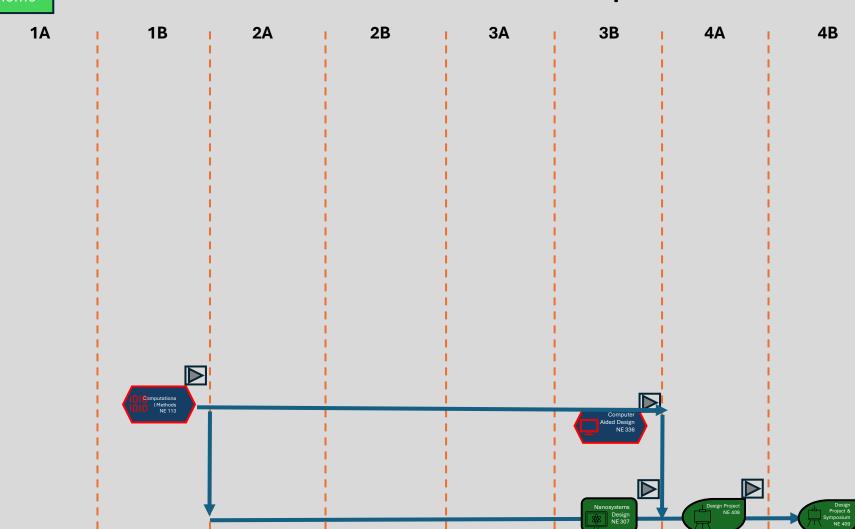
Math

Materials

Electronics



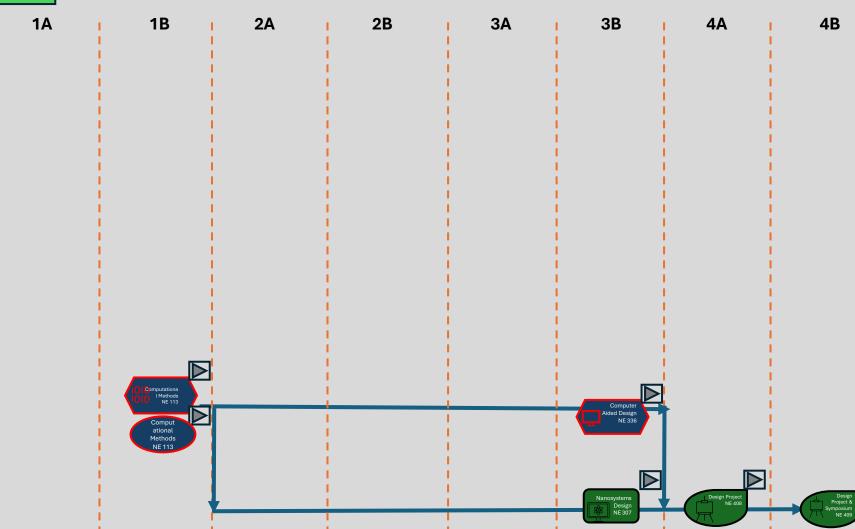






Materials

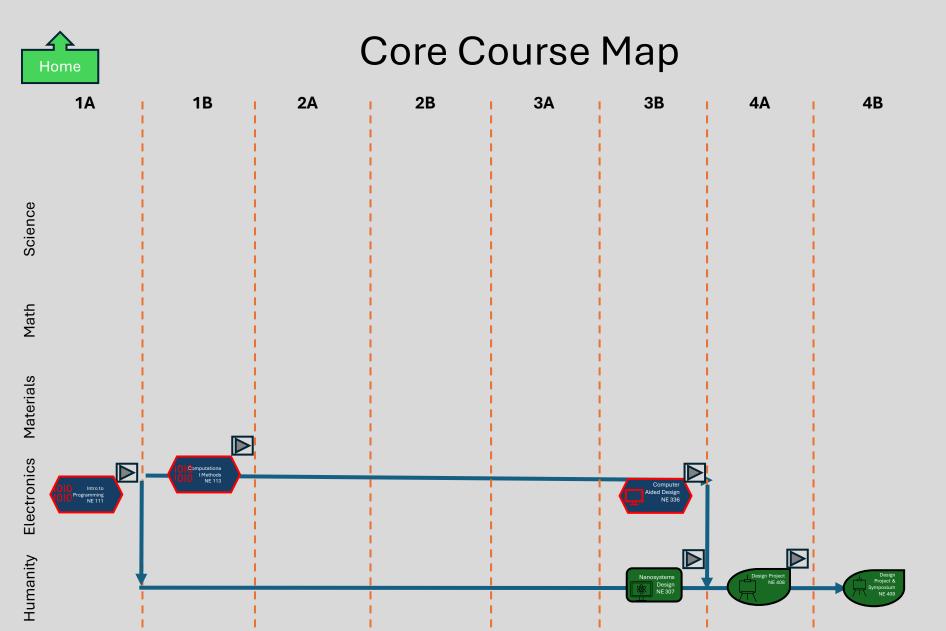
Electronics



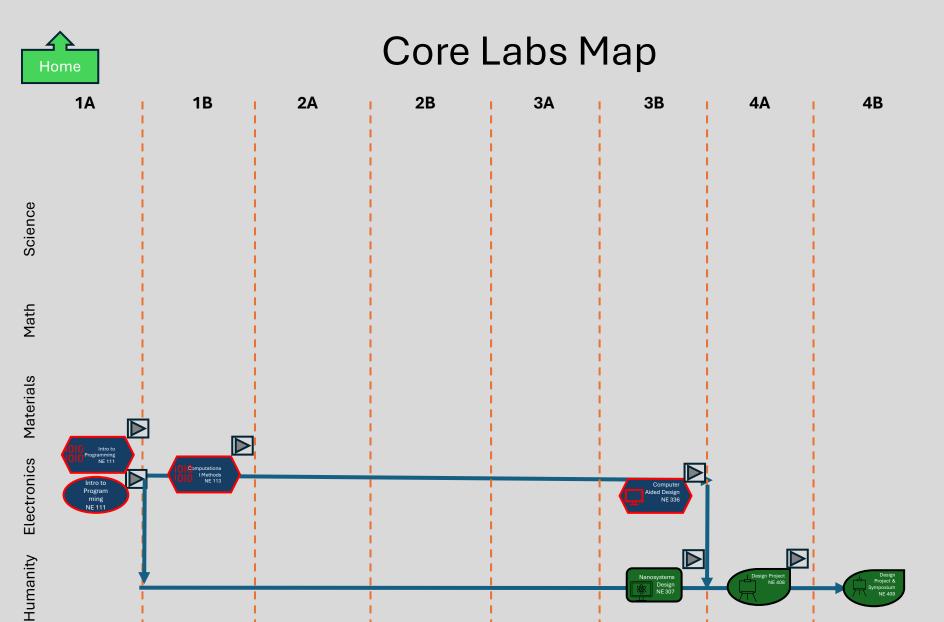


Materials

Electronics











**1B** 

2A

**2B** 

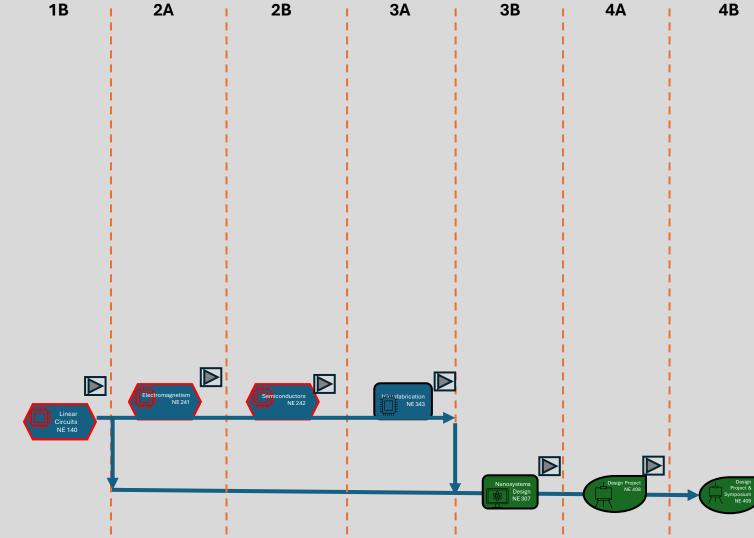
**3A** 

**3B** 

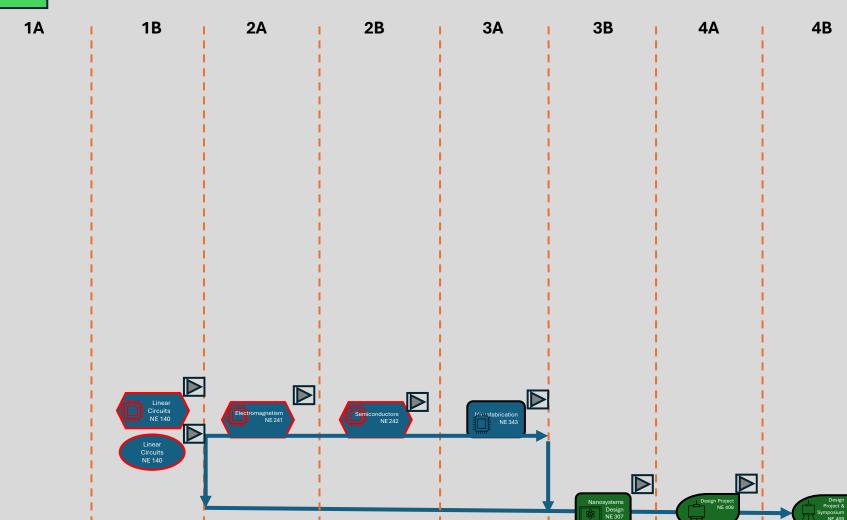
**4B** 

Materials

Electronics



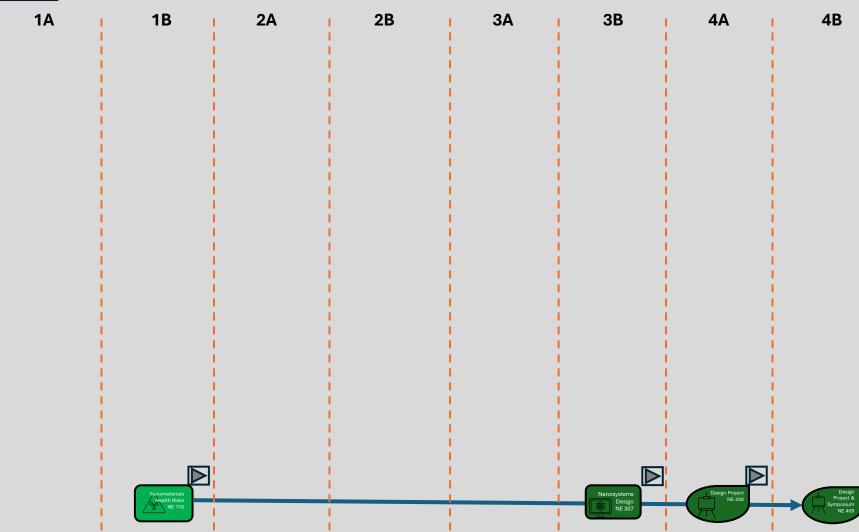






Materials

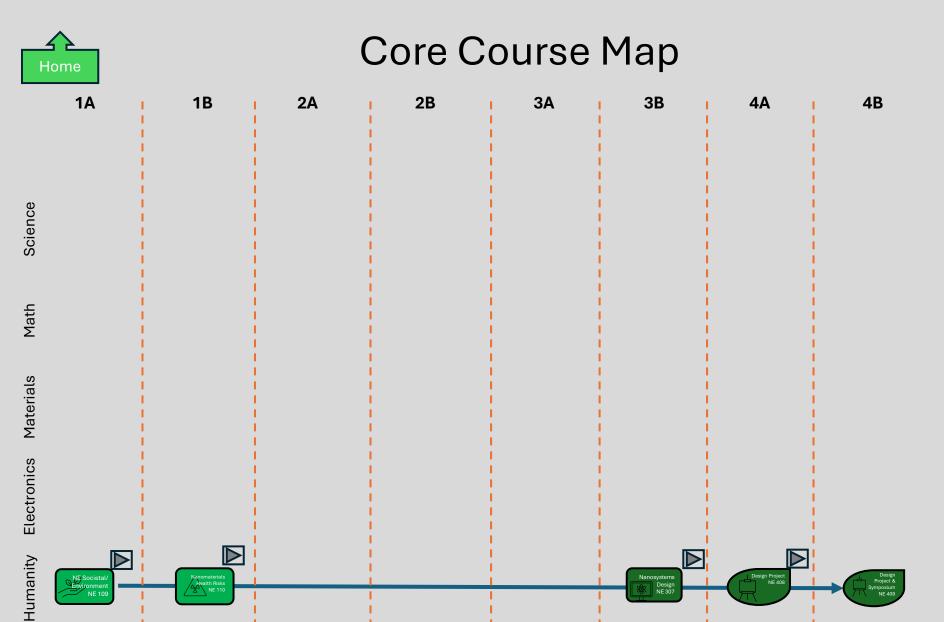
Electronics



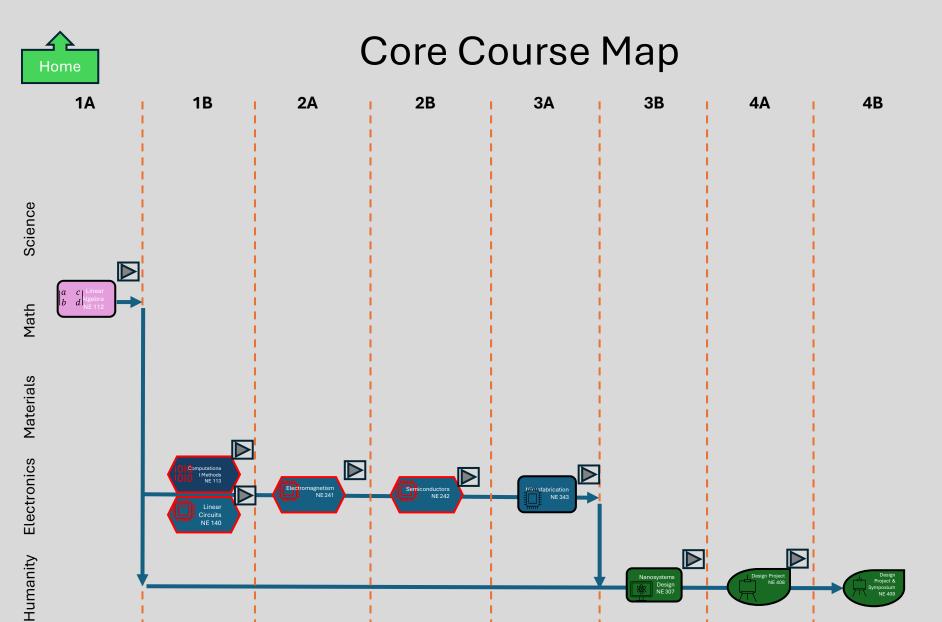


Materials

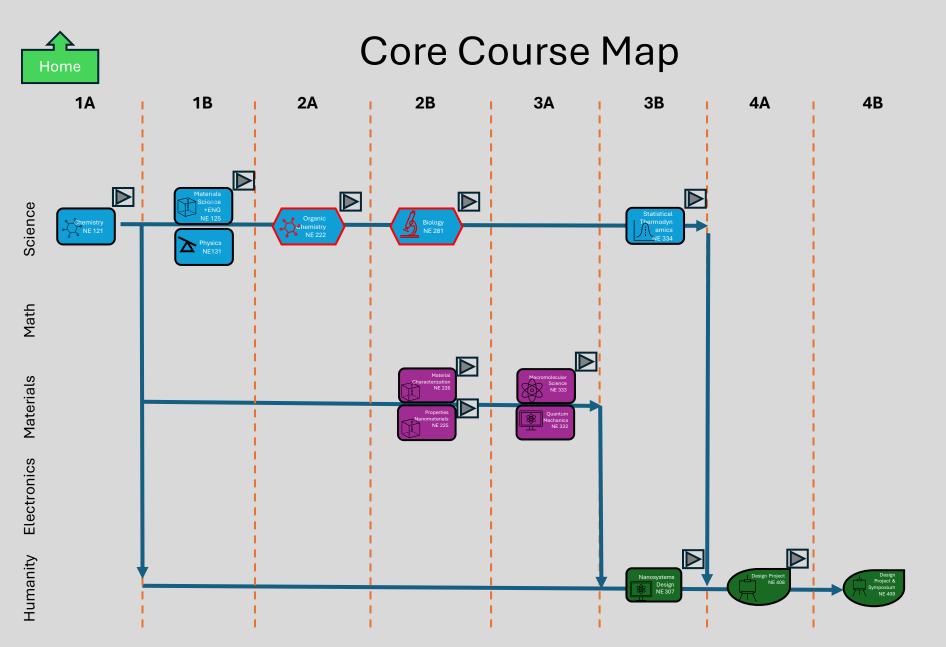
Electronics



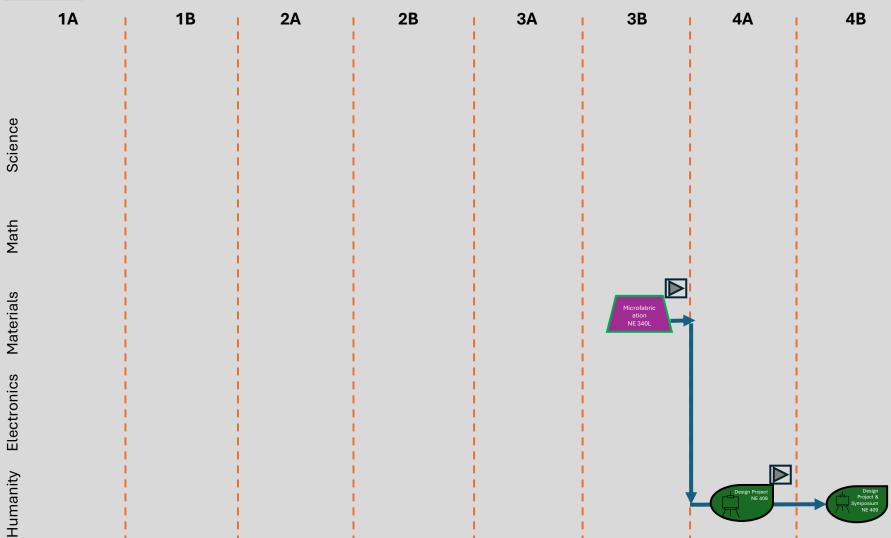




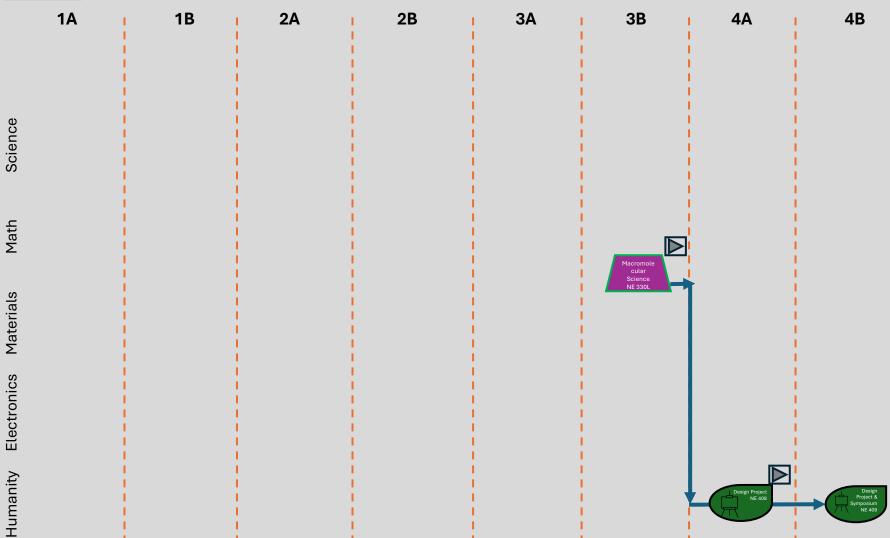




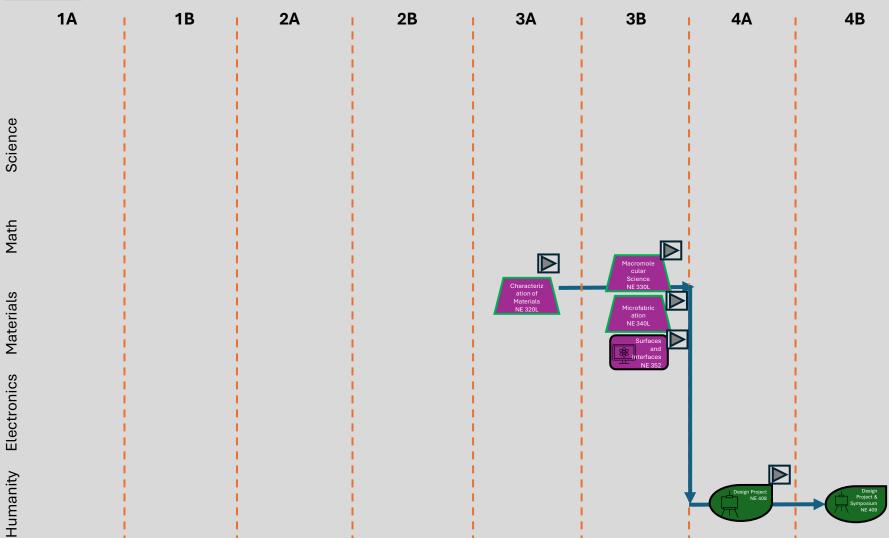




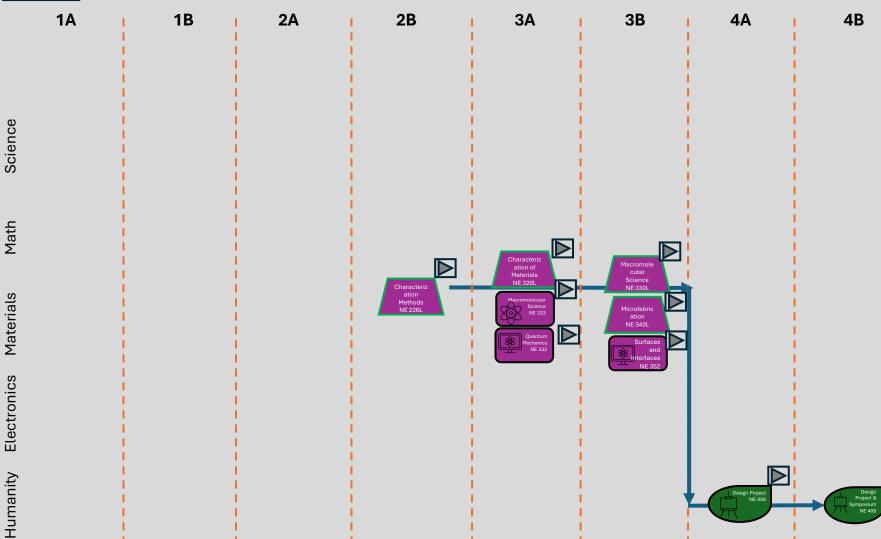






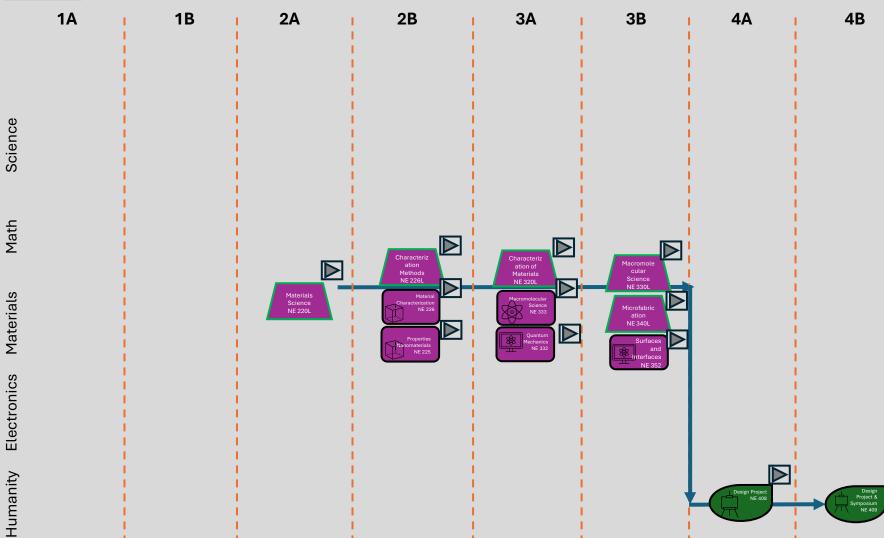






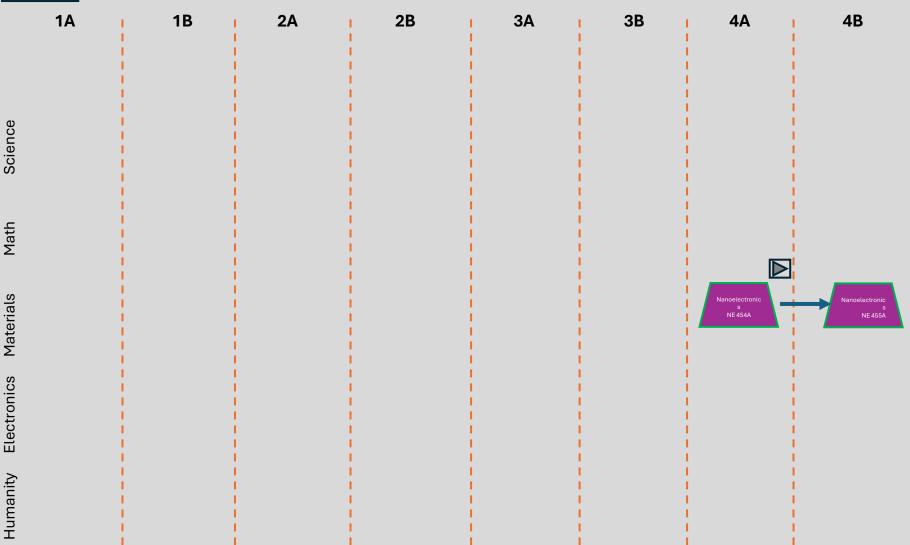


Electronics

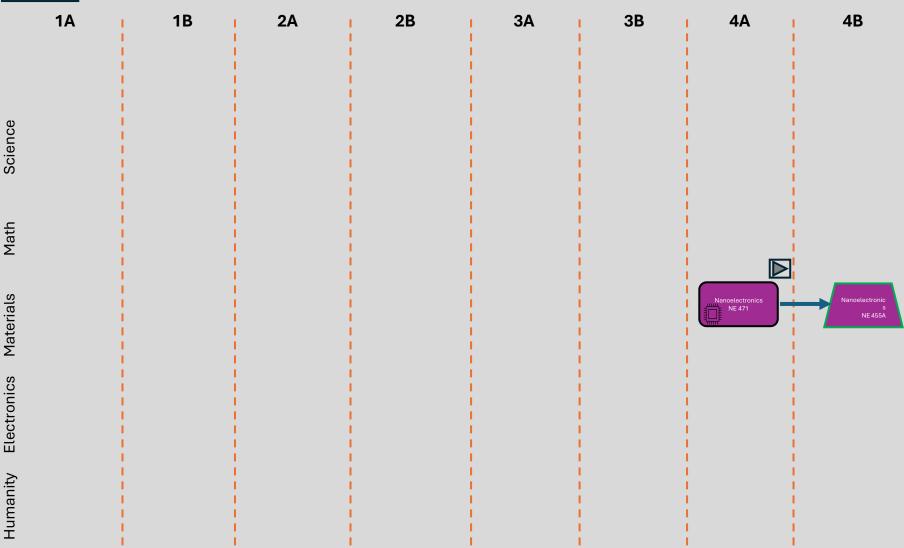




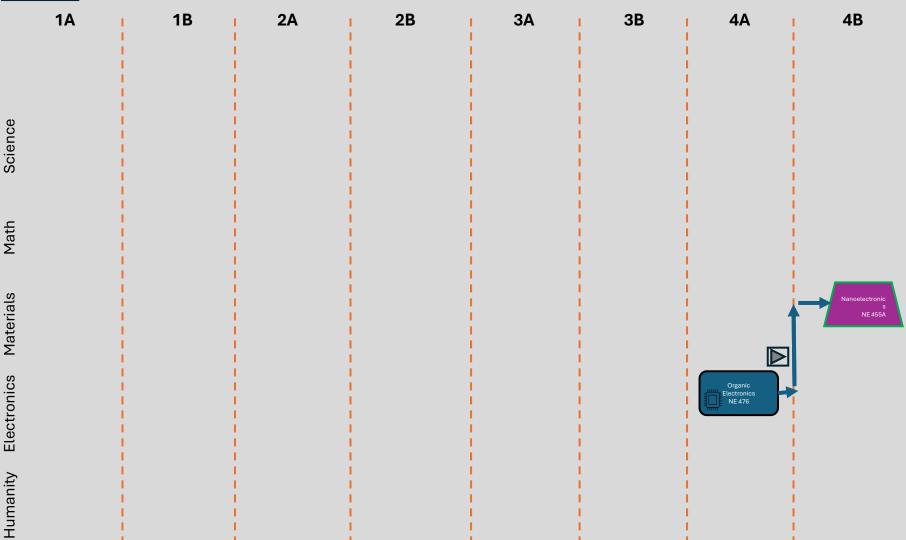






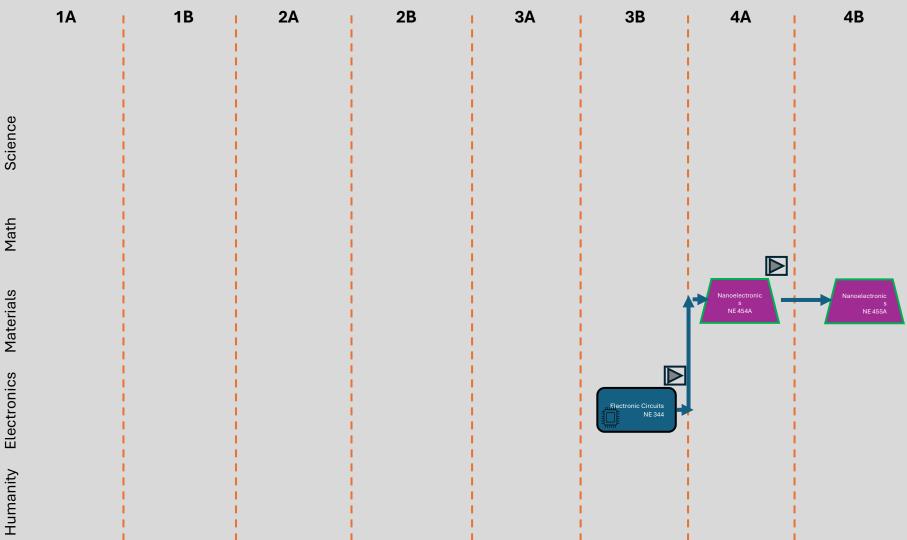






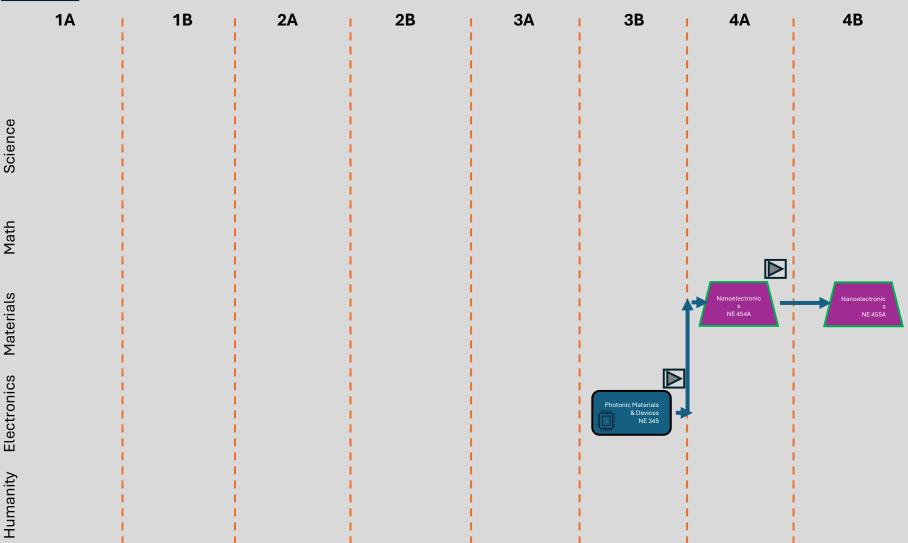






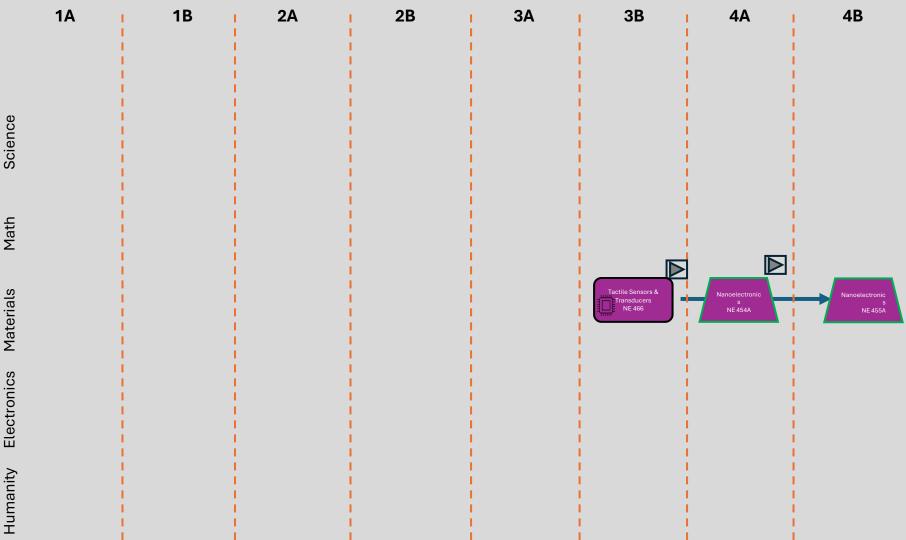




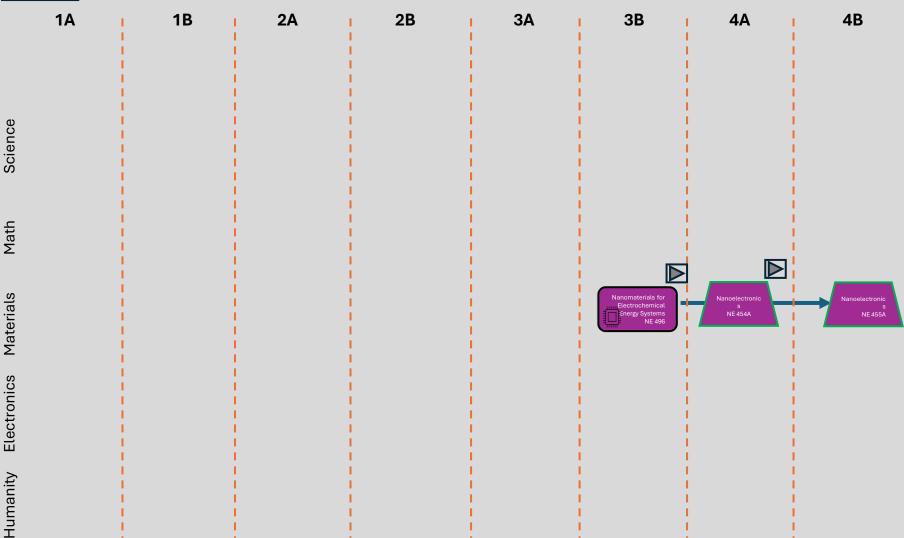














**1A 1B 2A 2B 3A 3B 4A 4B** Electronics Humanity

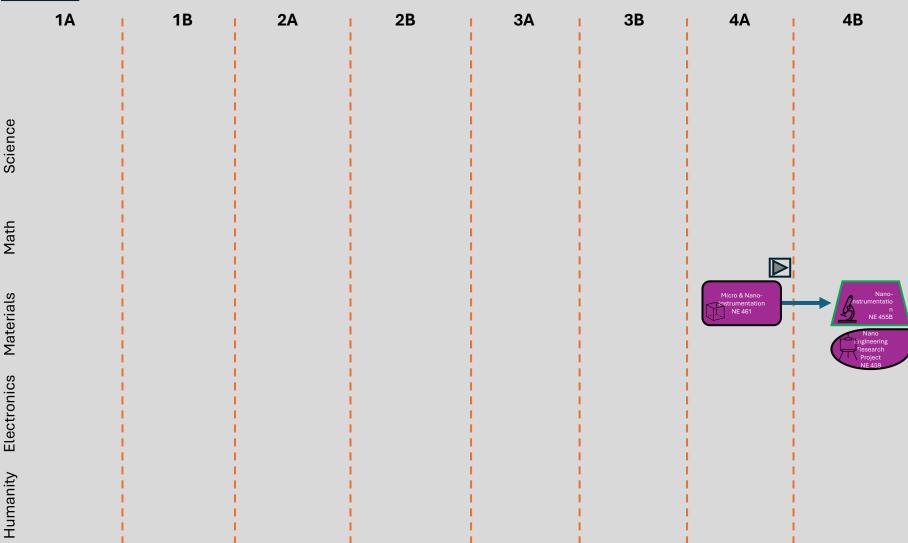


**1A 1B 2A 2B 3A 3B 4A 4B** Electronics Humanity

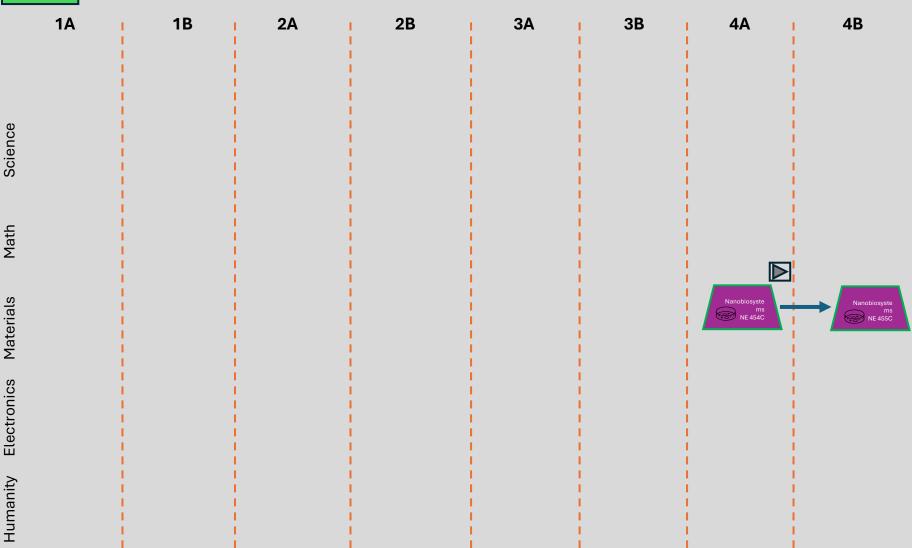


**1A 1B 2A 2B 3A 3B 4A 4B** & Devices NE 345 Electronics Humanity









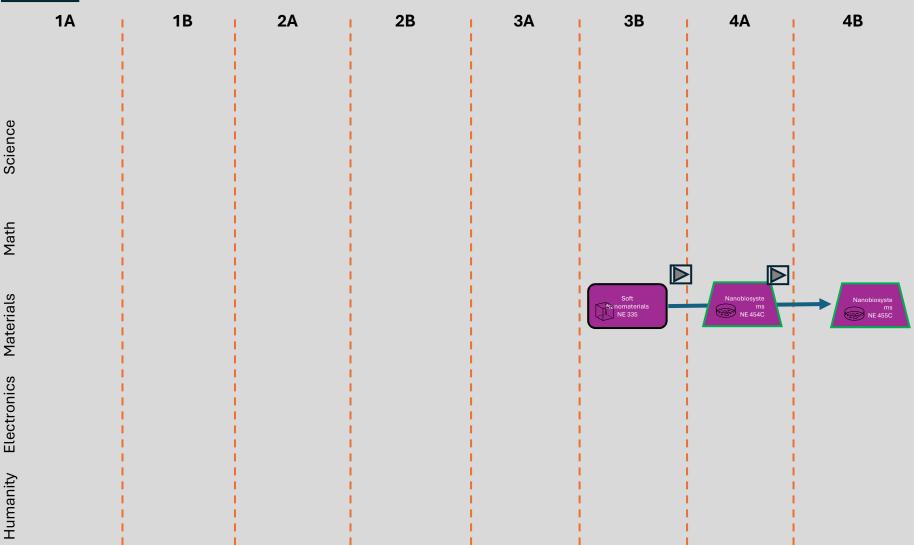


**1A 1B 2A 2B 3A 3B 4A 4B** Biosystems NE 381 Humanity



Electronics





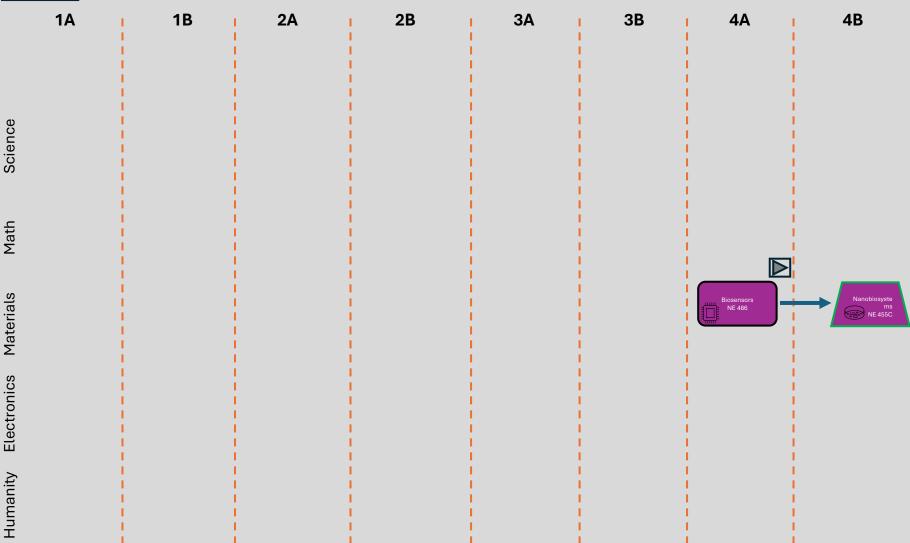


**1A 1B 2A 2B 3A 3B 4A 4B** Electronics Humanity

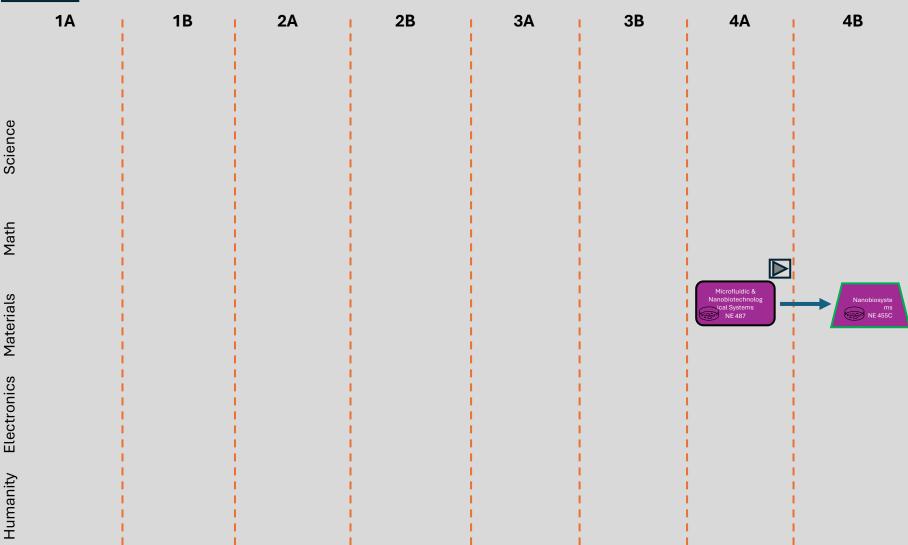


**1A 1B 2A 2B 3A 3B 4A 4B** Electronics Humanity

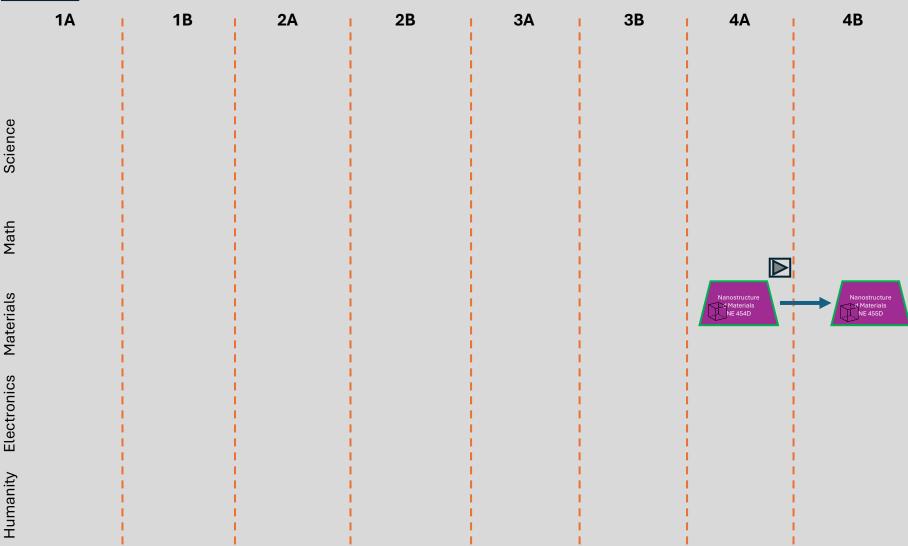




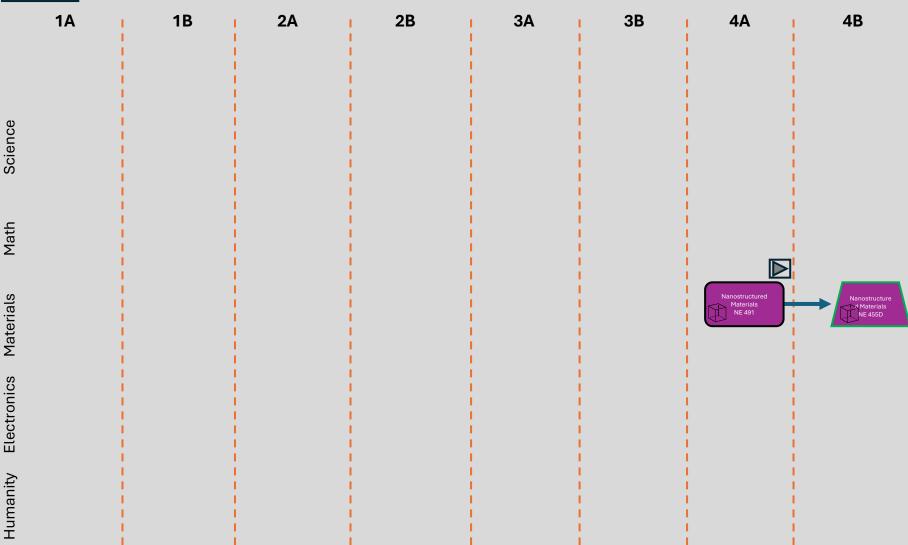








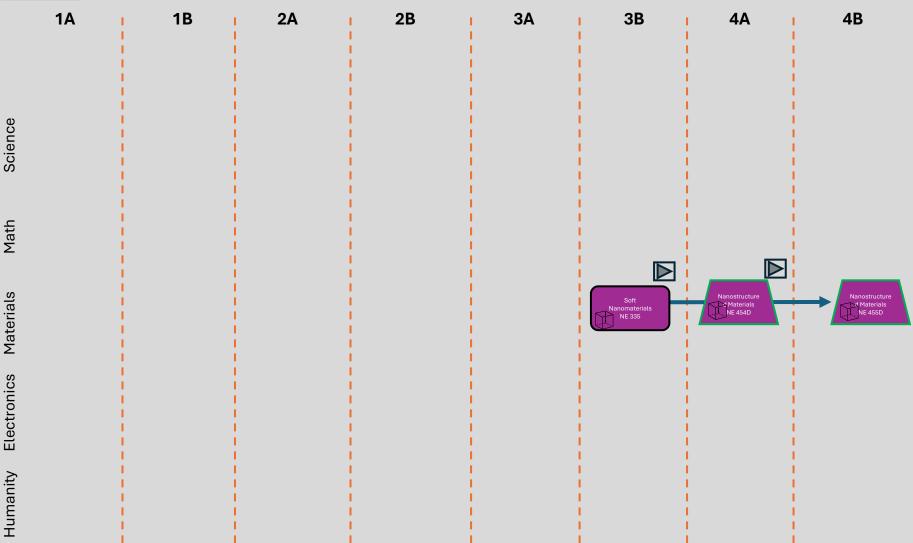




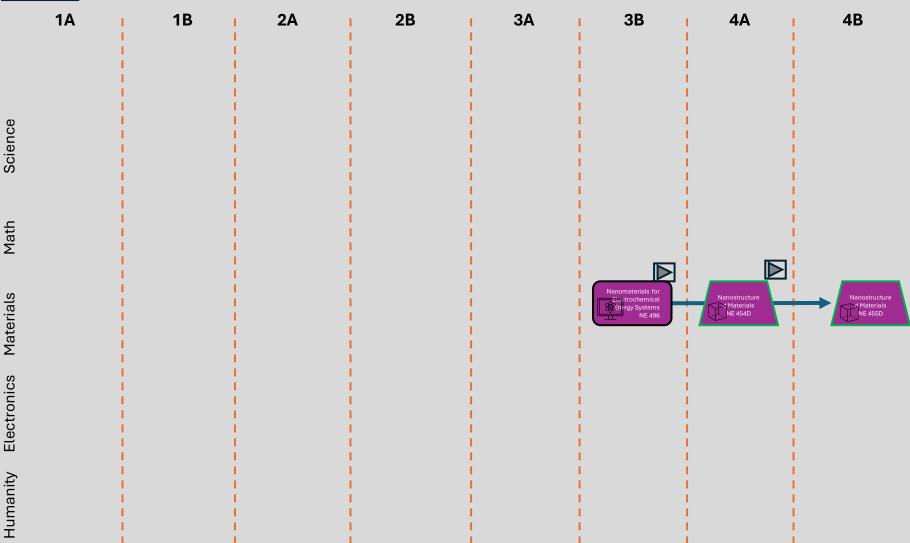


**1A 1B 2A 2B 3A 3B 4A 4B** Electronics Humanity











Electronics