

Essential Studies Program Curriculum Mapping

November 2016

Purpose of today's session

- To provide tools for programs to use to produce draft curriculum maps incorporating Essential Studies
- This mapping will:
 - Help programs better understand the full model.
 - Allow programs and faculty to make their questions more concrete, helping GEAC to identify sticking points and policies to consider.
 - Help assess impact on transfer students (study which will inform GEAC policies).
 - Help assess impacts on staffing allowing us to prepare for the 2018 incoming class.





Color-code your curriculum map

WRI 121 - English Composition

MATH 111 - College Algebra

x - Humanities elective

x - Social Science elective

WRI 122 - Argumentative Writing

MATH 112 - Trigonometry

EE 121 - Fundamentals of Electric Circuits I

x - Social Science elective

SPE 111 - Public Speaking

MATH 251 - Differential Calculus

EE 123 - Fundamentals of Electric Circuits II

x - Humanities elective

Color Codes

- GREEN – Programmatic courses
- BLUE –

Step 1: Identify your disciplinary capstone

EE 331 - Digital System Design with HDL

ENGR 465 - Capstone Project

x - Technical elective *

x - Social Science elective

CAPSTONE

EE 430 - Linear Systems and Digital Signal Processing

EE 432 - Advanced Digital System Design with HDL

ENGR 465 - Capstone Project

x - Humanities elective

CAPSTONE

EE 401 - Communication Systems

ENGR 465 - Capstone Project

x - Social Science elective

x - Elective

CAPSTONE

Step 2: Identify Program-Integrated Courses

EE 323 - Electronics II

EE 333 - Microcontroller Engineering

ENGR 267 - Engineering Programming

Program Integrated Communication (Written)

EE 325 - Electronics III

EE 335 - Advanced Microcontroller Engineering

x - Technical elective *

Program Integrated Communication (Oral), Teamwork

Program Integrated Inquiry & Analysis/Quantitative Literacy

SPE 321 - Small Group and Team
Communication

x - Writing Elective

x - Technical elective *

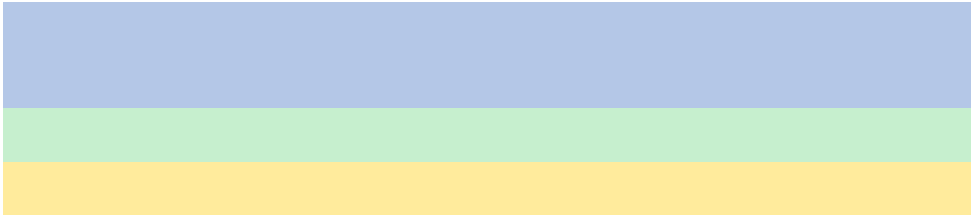
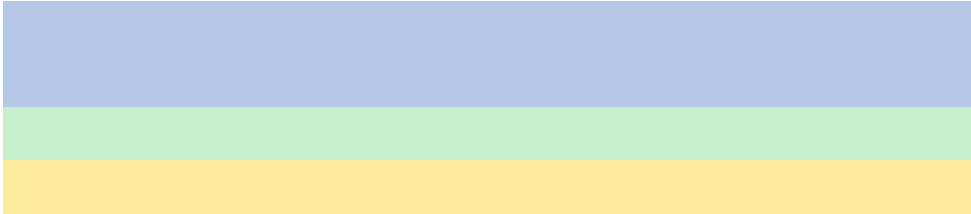
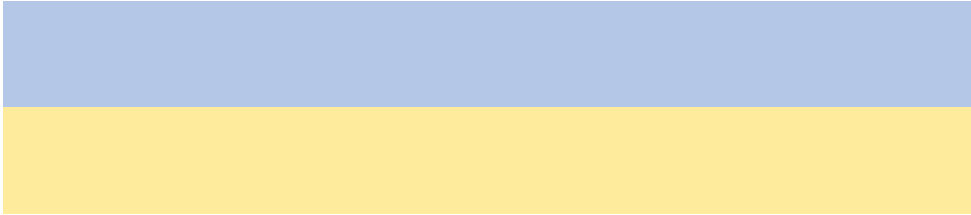


Step 3: Identify Program-Integrated Foundational Ethics

- Identify a course around the first year of your program in which ethics is introduced in the context of your discipline.
- If this isn't currently done explicitly, identify a course where it might be a natural fit.
- If you don't have such a course, PHIL105 or HUM125 can be used for this requirement.



Step 4: Identify Foundation and Essential Practice Requirements that are met





Step 5: Insert Remaining Essential Studies Requirements

WRI 121 - English Composition
MATH 111 - College Algebra
(Open Slot)
(Open Slot)

WRI 122 - Argumentative Writing
MATH 112 - Trigonometry
EE 121 - Fundamentals of Electric Circuits I
(Open Slot)

SPE 111 - Public Speaking
MATH 251 - Differential Calculus
EE 123 - Fundamentals of Electric Circuits II
(Open Slot)



Insert Unmet Foundation Requirements

WRI 121 - English Composition

MATH 111 - College Algebra

Diverse Perspectives – Foundation Elective

Humanities Inquiry – Foundation Elective

WRI 122 - Argumentative Writing

MATH 112 - Trigonometry

EE 121 - Fundamentals of Electric Circuits I

Social Sciences Inquiry – Foundation Elective

SPE 111 - Public Speaking

MATH 251 - Differential Calculus

EE 123 - Fundamentals of Electric Circuits II

Ethical Reasoning – Foundation Elective



Insert the Synthesis Experience

EE 323 - Electronics II

EE 333 - Microcontroller Engineering

ENGR 267 - Engineering Programming

Program Integrated Communication (Written)

EE 325 - Electronics III

EE 335 - Advanced Microcontroller Engineering

x - Technical elective *

Program Integrated Communication (Oral), Teamwork

Program Integrated Inquiry & Analysis/Quantitative Literacy

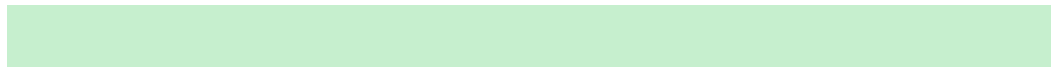
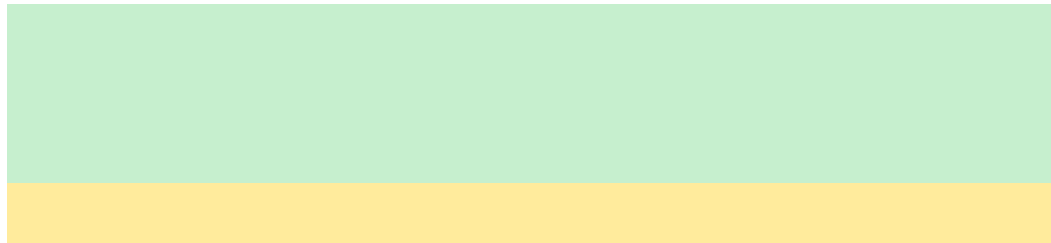
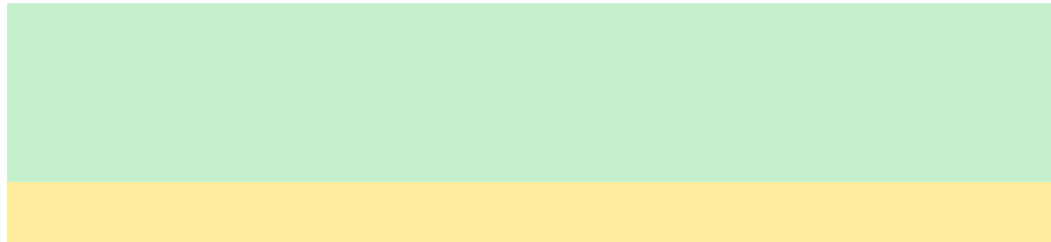
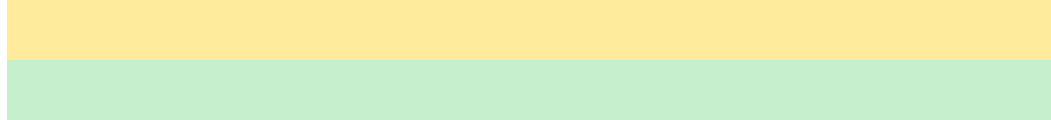
SPE 321 - Small Group and Team
Communication

Essential Studies Synthesis Experience (ESSE)

x - Technical elective *



SPE 321 - Small Group and Team Communication



We Want Your Input

- Are there courses you were expecting on lists (which we might explore adding)?
- Are there opportunities for “re-arranging” Essential Studies requirements in your map to form progressions that better support your program-integrated and capstone work?
- Are there opportunities for efficiencies that you see might be possible?
- Do you have other concerns, thoughts, or input on the model or mapping process?

Submit

