In the chat please share:

Why did you choose I&E?
What problems are you interested in exploring?
What are you most excited about?
Teach kids creativity. Ultimately, machines will be better at coding

"Deep machine learning will likely automate the writing of code relatively quickly. Creativity is going to be far more important in a future where software can code better than we can"
Why I&E? – Opportunities For Human Flourishing

SAVING LIVES AT BIRTH
Saving Lives at Birth seeks to identify and scale ground-breaking approaches to save the lives of mothers and newborns around the time of birth.

POWERING AGRICULTURE
Powering Agriculture supports new ways to bring clean energy to farmers, helping them grow more high-quality food for their communities.

CREATING HOPE IN CONFLICT
Creating Hope in Conflict will identify and support ground-breaking solutions that engage the private sector and draw from the experiences of affected communities in order to significantly improve — and in many cases, save — the lives of vulnerable people affected by conflict.

ALL CHILDREN READING
All Children Reading leverages science and technology to secure, test and disseminate scalable solutions to improve literacy skills of early-grade learners in developing countries.

ENSURING EFFECTIVE HEALTH SUPPLY CHAINS
Ensuring Effective Health Supply Chains seeks transformative solutions to overcome key challenges to accessibility of essential medicines and supplies.

SECURING WATER FOR FOOD
Securing Water for Food supports scientific and technological innovations to provide more food with less water in developing countries.

MAKING ALL VOICES COUNT
Making All Voices Count supports people and governments to use innovation, web and mobile technologies to improve governance, performance and accountability.

SCALING OFF-GRID ENERGY
Scaling Off-grid Energy is working at provide 30 million householders in sub-Saharan Africa with access to modern, clean, and affordable electricity.

FIGHTING EBOLA
Fighting Ebola involved in novel solutions to address barriers faced by healthcare workers and those patients in the West Africa Ebola epidemic response.
Changing the world through entrepreneurial action

Duke Model for Entrepreneurial Action

Cultivate a Mindset

Goals | Learning Objectives | Courses and Experiences
Your Certificate Team

Kevin Hoch
Managing Director, Education

Lee Baker, PhD
Director of Undergraduate Studies

Katherine Black
Program Manager, Experiential Learning & Social Innovation

Amy Linnane
Managing Director, Experiential Programs

Anna Jacobs
Program Manager, Education

Duke Innovation & Entrepreneurship
Lara Bamberger
- Class of 2023
- From: New York, NY
- Economics major – Finance concentration, Psychology minor, I&E certificate

Ashna Ram
- Class of 2023
- From: Charlotte, NC
- Public Policy & Global Health majors, I&E certificate
Activity – Get to Know Your Network

Instructions:

• Introduce yourself and the square(s) that apply to you.
• Take notes of the people you met and what you learned.
• Go for Bingo!

Groups of 4 - 8 mins to meet new people! How many boxes can you fill in?
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Is passionate about social entrepreneurship. Why?</td>
<td>Is fluent in 2 or more languages. Which?</td>
<td>Has lived in 3 or more different cities growing up. Where?</td>
<td>Is a huge sports fan. Which sport/ team?</td>
</tr>
<tr>
<td>Is passionate about gaming or coding. Why?</td>
<td>Hopes to start her own business one day. What?</td>
<td>Plans to pursue a career in engineering. What?</td>
<td>Plays an instrument. Which one?</td>
</tr>
</tbody>
</table>
Overview
Program Requirements

**SELECT PATHWAY**
- Media, Arts & Entertainment
- Social Innovation & Policy
- Technology & Design
- Culture, Community & Commerce
- Self-Designed

**GATEWAY ELECTIVE**
- Select a Gateway Elective Course from your chosen pathway:
  - Pathway Elective

**KEYSTONE**
- Required Course:
  - Strategies for Innovation & Entrepreneurship (I&E 352)

**ELECTIVE**
- Select an Elective Course from your chosen pathway:
  - Pathway Elective

**CAPSTONE**
- Required Course:
  - Innovation & Entrepreneurship Capstone (I&E 499)

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**150-HOUR & 300-HOUR EXPERIENCES**

**E-PORTFOLIO**
Certificate Sequencing and Rules

• **Sequencing**
  - The recommended sequence of courses is: 1) gateway elective 2) keystone 3) elective 4) capstone
  - Students must complete the gateway, keystone, elective, and two thematically-related learning experiences prior to enrolling in the capstone.

• **Double Counting**
  - No more than one course and one experience that is used to satisfy the requirements of any major, minor, or other certificate program may count towards the Innovation & Entrepreneurship Certificate.
  - Students are unable to enroll in both the I&E Certificate and the Markets & Management Certificate.

• **Petitions**
  - Petitions for exceptions to these rules should be sent to certificate-entrepreneurship@duke.edu with request and rationale ahead of time.
Portfolio
Portfolio Options

• The goal is to provide flexibility, creativity and encourage reflection of your time in the program.
• Option 1 - Connections and Reflections Portfolio
• Option 2 - Personal Website
  • Special recognition for those who choose this route, given the extra effort it requires.
How to make an personal website

- Wordpress – free through Duke!
- Wix
- Krop
- Weebly
- Squarespace
- Seelio
- Portfoliopen
- Carbonmade
Example Site

- **Example site**
  - Link: [http://sites.duke.edu/eportfolioexampleiandecertificate/](http://sites.duke.edu/eportfolioexampleiandecertificate/)
  - Mirrors guidelines
  - Template is intentionally basic; yours should be creative!
In groups of four review one of the sites

- https://sites.duke.edu/iecarolinewade
- https://tommasobabucci.com/
- https://sites.duke.edu/ieanyabali/
- https://sites.duke.edu/iejordanburstion/

- What do you like about the site?
- What would you change about the site?
- Groups of 4 (5min) 1 Rep from each group put feedback in chat.
Q&A
Advising & Resources
Communication

• Listservs & Newsletter
  – certificate-students-entrepreneurship
  – entrepreneurship.duke.edu/newslettersignup/

• Social Media
  – Facebook: Duke Innovation and Entrepreneurship Initiative
  – Instagram: @dukeinnovation
  – Twitter: @EshipAtDuke
Experiences
Experiences Overview

You will complete two learning experiences (150 & 300 hours) tied to innovation and entrepreneurship in order to gain real-world application of knowledge and invaluable hands-on learning.

What have other Certificate students done?

[DukeEngage] [GM] [PROTECT3D]
[Apple] [Center for Advanced Hindsight] [republic records]
[Duke University] [BASS Connections] [Melissa & Doug Entrepreneurs]

[Innovation & Entrepreneurship]
Experience Approval Process

- Proposal
  - Relevance to your Certificate Objectives
  - Role and Responsibilities
  - Mentor
  - Final Deliverable

- Experience
  - Experience One (300 hours)
  - Experience Two (150 hours)

- Mentor Evaluation
  - Student Assessment
  - Verification of Hours
  - In-person debrief with I&E staff

- Personal Website
  - Experience Summary
  - Artifact
  - Reflection

Due within one year of completing experience
Where to find Experiences

- [https://sites.duke.edu/experienceopportunities/](https://sites.duke.edu/experienceopportunities/)
- Duke Sympa - compsci@duke.edu
- Handshake
- Public Policy Internship
- Friends & Family
- LinkedIn and informational interviews
Q&A
Reflections:
In the chat please share:
What surprised you?
What is a key takeaway for you?
What are you excited about?