

The School of Engineering and Applied Science strategic briefing on

A horizontal banner image showing a collage of engineers and scientists working in a laboratory setting. The image is overlaid with a blue gradient. The text "Engineers PRODUCED in Virginia" is written in white, italicized font across the center.

Engineers PRODUCED in Virginia

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The “PRODUCED” Concept

- Students earn an Associate of Science in Engineering degree at a VCCS school.
- UVA Engineering delivers courses appropriate for the 3rd / 4th year of undergraduate studies.
- Students earn a UVA Engineering Science bachelors degree in their local community.





Building New Engineering Pipelines

- Prior to *PRODUCED*, Virginia had eight engineering pathways at 23 community colleges.
- *PRODUCED* has sparked the creation of two more ASE degrees.
- *PRODUCED* is motivating the creation of seven more engineering pipelines within the next 24 months.



Growth of *PRODUCED*

- The program is underway in Lynchburg and Danville (130 – 140 students total).
- The program is scheduled to expand in Southside and Southwest Virginia.
- UVA's current focus is Virginia.
- The rate and scope of future expansion depends upon the development of experience and the availability of financial support.



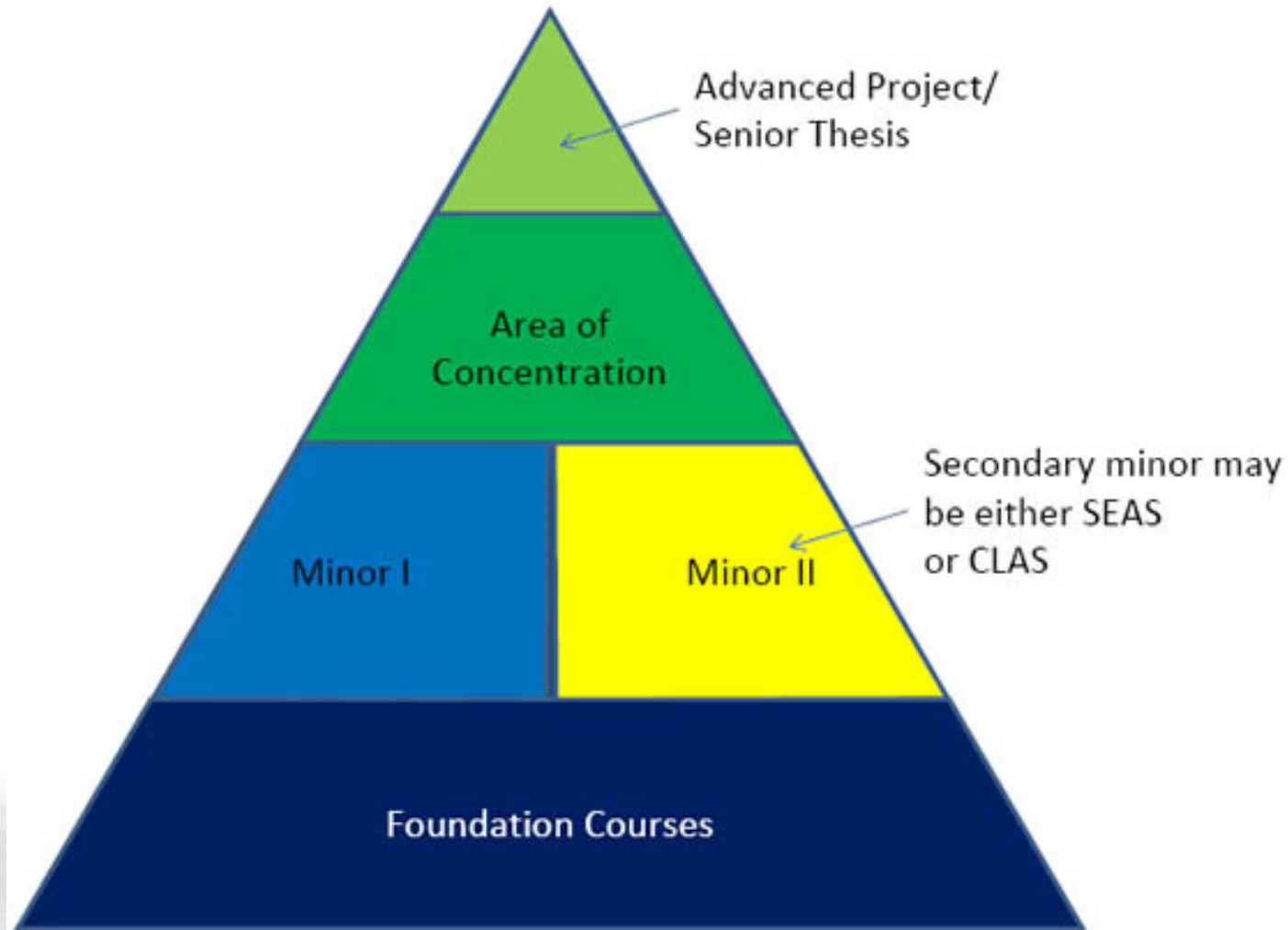
Class Format

- Same class sections as on-grounds UVA students
- Technology-enabled learning
 - Courses delivered from the computer desktop to the computer desktop
 - Students will have a tablet / convertible PC requirement
 - Classes available on-line (live or posted content)





The Engineering Science Degree





Customized education via *PRODUCED*

- Initially there are two tracks of Engineering Science
 - Mechatronics
 - Materials Science and Engineering
- The next track (for Danville) will be nanotechnology.
- Other tracks can be developed as funding permits.



The *PRODUCED* Financials

- Provision of the Charlottesville-based educational facilities.
 - Classroom resources, laboratory resources, faculty / teaching assistant hardware and software
- Support for existing tracks of education.
- Support of personnel developing new tracks.
 - Faculty / teaching assistant development time
 - Support of development activities