

Curry School of Education: Commitment to the Commonwealth

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CURRY SCHOOL
of EDUCATION

Virginia Teacher Shortage

- Virginia faces a critical and chronic shortage of teachers – more than **1,000 licensed teachers are needed** for classes that are understaffed.
- Student enrollment is rising; teacher prep enrollment is declining.
- In some school divisions there are **no certified teachers** in a particular area (e.g. math).
- The Curry School, in partnership with its K-12 Advisory Council, identified this as a primary focus for policy and program development work.

Virginia Teacher Shortage

- In October 2017, the Curry School, the Governor's Office, the VA Department of Education, VA Association of School Superintendents, and the K-12 Council hosted a **statewide summit**, including key legislators and the Governor.
- **Legislation** following from the summit was passed in this GA session.
- **Collaborating with VA higher education institutions** on regulations which would directly address the shortage – an undergraduate degree in teacher preparation.
- Curry is planning a **follow-on summit** in October 2018 in Charlottesville.



Early Childhood and Primary Education

- **Statewide Efforts (touching every young child in the state)**
 - The Virginia Kindergarten Readiness Program | VKRP
 - Phonological Awareness Literacy Screening PALS K-3
 - JLARC Report on Early Childhood Development Programs
 - Virginia Preschool Initiative Plus | Quality Improvement
- **Regional and Local Efforts**
 - **Tidewater:** Elevate Early Education (E3) and
Preschool for Kindergarten Success (P2K)
 - **NoVA:** Fairfax Preschool to Third Grade Project (FP3)

K12 Teacher Education

- **Teacher Education** : Initial Preparation & Licensure
 - More than 140 teachers/year, reaching over 9,000 K-12 students
- **Regional & Local**
 - 459 teacher candidates placed in schools during 2017-2018
 - Serving 18 school divisions
 - Working with students of all grades and abilities

Statewide Data and Policy Analysis

- **School Climate Assessment**

- Since 2013, the Curry School has assisted the Department of Criminal Justice Services to **conduct annual surveys** and reports of school climate in all 700 Virginia secondary schools (grades 6-12).

- **School Violence Prevention**

- The Curry School developed the **Virginia Student Threat Assessment Guidelines** in 2001, now widely used in Virginia Schools and nationwide with ongoing evaluation and improvement work on use of threat assessment to prevent violence.

Statewide Data and Policy Analysis

- **Best Practices in Teacher Evaluation Policy**

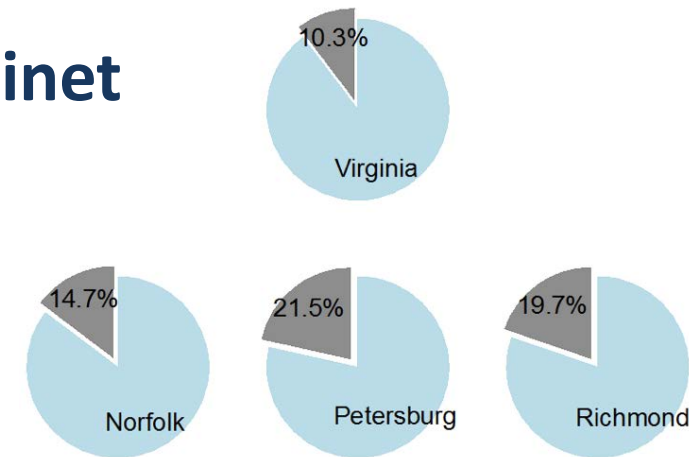
- With the VDOE, UVA researchers document approaches to assess teacher and school leader effectiveness and implement best-practice systems.

- **Teacher Attrition in Virginia**

- With the VDOE, UVA researchers examine incidence and potential causes of attrition of novice teachers in Virginia's public schools.

- **Student Attendance | Governor's Children's Cabinet**

- Responding to Children's Cabinet, UVA researchers produced two reports on chronic absenteeism and within-year student mobility.



Chronic absenteeism rates, 2014-2015

Statewide Data and Policy Analysis

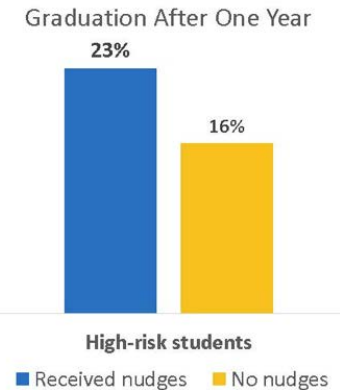
Partnerships with Virginia Community College System:

- **Nudges to the Finish Line**

- With 8 Virginia Community College System institutions, mobile technology and nudges increase graduation rates among students at risk of withdrawal. Nudges increase graduation by over 30%.

Nudges to the Finish Line

hey it's Deanne. I want to make sure you get the classes you need next semester to move towards graduation. Want to chat about your course options?



- **Increasing Transfer Rates among Community College Students**

- Advanced data science provides VCCS students with personalized information about four-year college options where they have good chance of transferring and succeeding.

- **Improving Outcomes for Students Placed in Remedial Education**

- Evaluating placement strategies to more accurately place students and improve outcomes

Tackling the challenge of Autism

- A **growing challenge** for children, families, and communities: 1 in 59 children diagnosed
- The Curry School is leading a **SIF-supported, collaborative effort** with UVA Brain, the School of Medicine, and Department of Psychology focused on research, diagnostics, and treatment.
- Cluster hiring program brought two **new scholars** to the Curry School and two searches in School of Medicine.

Tackling the challenge of Autism

- **Key partnerships:** Virginia Institute of Autism; Faison Center; INOVA; VCU/MCV; Commonwealth Departments of Health and Education
- **Key activities underway:**
 1. Evaluating innovative diagnostic and family support techniques
 2. Family Navigation services in Health System
 3. BCBA certification now online and available in US and China
 4. Statewide surveillance, consultation, and telehealth services

K-12 Coding across the Commonwealth

- Virginia has **new state standards** for teaching coding and computer science in K-12 classrooms.
- No clear curricular or teacher support materials available
- Curry has launched a **K-12 coding initiative** to:
 - identify effective coding curricula for students and
 - provide teachers with training for effective implementation
- Summer programs, boot camps, online resources
- Linked to efforts underway to form a **partnership** with Apple

Curry and the Commonwealth

- Broad portfolio with reach across the entire state
- Strong collaborations across UVA schools and units
- Engaged in partnerships with agencies and communities at all levels
- Research-driven impacts on outcomes relevant for policy, students, teachers, families, and communities



CURRY SCHOOL
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UVa's College at Wise

Impact on Southwest Virginia and Beyond

Presentation Overview

- Center of Teaching Excellence (CTE)
- Library Media
- Wise Innovation Ecosystem (Wise IE)

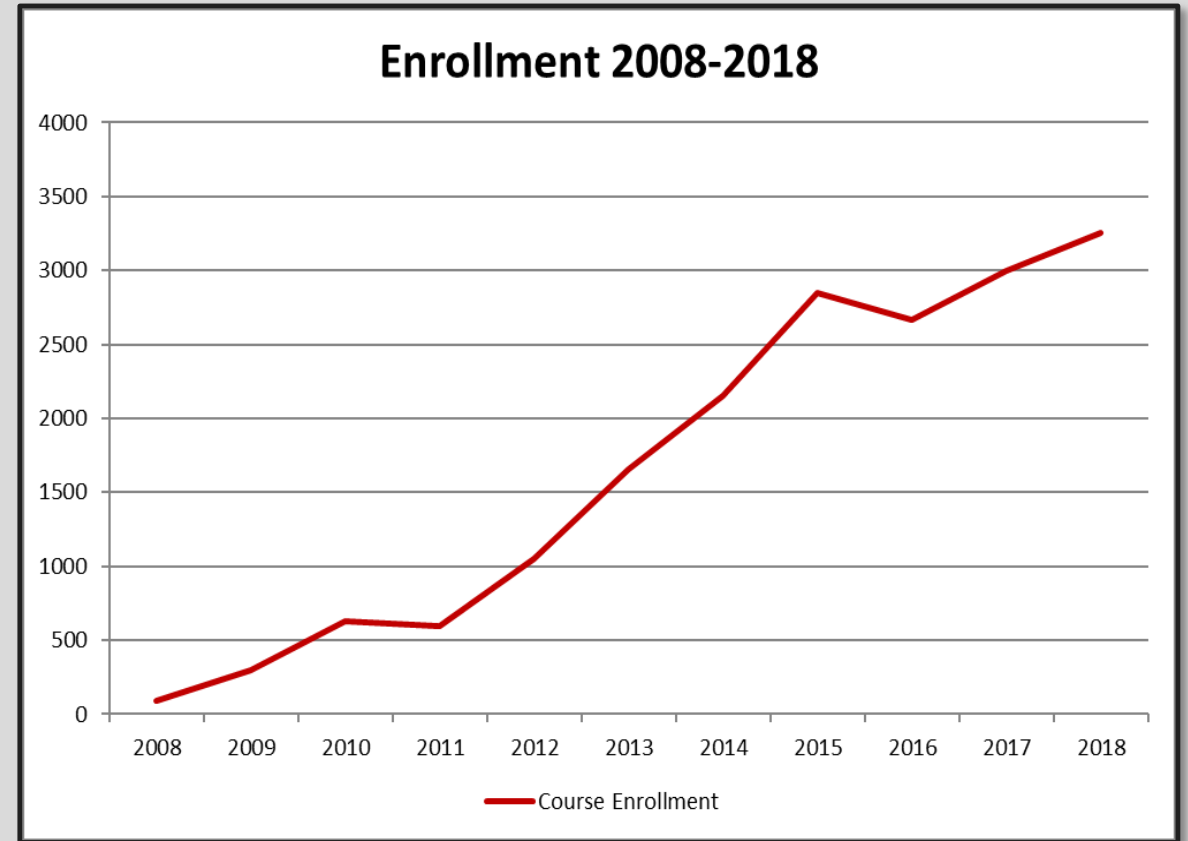
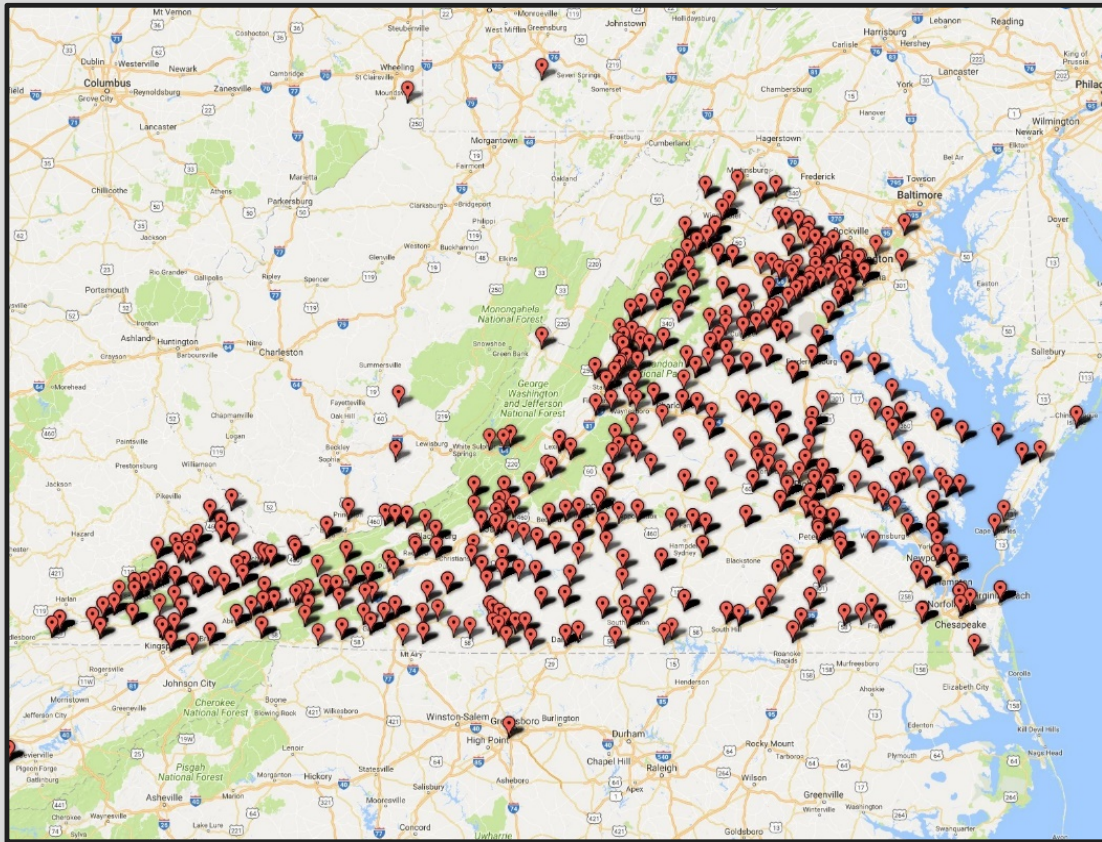


Center for Teaching Excellence

- Launched in 2008
- Provides continuing education courses to teachers throughout Virginia
 - Recertification
 - Licensure and endorsement requirements
 - Workshops enhancing teaching practices
- Served over 20,000 K-12 educators in more than 1200 courses since 2008
- Implemented online courses in 2009, full licensure curricula in 2010 and special education curricula in 2012



CTE Enrollment



FY '18 Enrollment – 3200
educators in 164 courses

Enrollment trajectory since 2008

Library Media

- Joint program between UVa-Wise and the Curry School of Education to address shortage of library personnel across Virginia
- Provides certification in Library Media as a stackable credential to a teaching license; includes a 200 hour internship requirement
- Engages instructors and internship supervisors throughout the state
- Ten year program with average of 50 students per year

UVa-Wise STEM Initiatives



UVa-Wise Innovation Ecosystem (Wise IE)



- Five-year, \$3.5 million Strategic Investment Fund initiative
- To support organic economic growth in Southwest Virginia, the College at Wise is expanding enrollment in STEM programs including the Software Engineering, Computer Science and Management of Information Systems degrees and establishing an innovation center
- SIF funds are leveraged with State and Federal funds.



UVA -WISE INNOVATION ECOSYSTEM

Entrepreneurship Competitions

- UVA Cup Competition
- G2K Games Competition

Programs / Resources

- Innovators INC
- Workshops
- Lecture Series
- Entrepreneurship Classes
- Innovation Day
- Innovators Market
- Annual trip to the Tom Tom Founder's Festival

Facilities

- Oxbow Center
- The Nest
- Innovator's Space at Wyllie Hall

Staff / Mentors

- Entrepreneurship Director
- Innovation Center Manager
- Program Coordinator
- Student Interns
 - Mentors (Alumni & Community)
 - Support Organizations

Leveraged Funding

- SIF Grants
- Federal and State Grants
- Private donors



UVa-Wise Innovation Ecosystem



Expertise

- Faculty: Entrepreneurship, Data Analytics, Cybersecurity
- Innovation Center Mgr.
- Program Coordinator
- Math & Programming Instructor
- Early Intervention Coordinator
- Alumni Mentoring

Programs / Activities

- Undergraduate Research
- Integrated Science & Technology Degree
- UVa-Wise Works – Internships
- UVa-Wise Cup/G2K Game Competition
- Innovation Day/Marketplace
- Ent./Cyber Boot Camps

Infrastructure

- The Nest
- The Oxbow Center
- Makerspace



INNOVATORS **INC**
IGNIING NEW CREATIVITY

*"We have a place
for you"*

-Papa Joe Smiddy, First Chancellor of UVa-Wise





OPENING THE DOORS OF THE UNIVERSITY TO NONTRADITIONAL ADULT LEARNERS.



SCHOOL *of* CONTINUING
and PROFESSIONAL STUDIES



Providing Access for Over 100 Years

Since 1915, the School has been consistent in its mission to provide outreach to communities across the Commonwealth, while using the latest technologies available.

Celebrating 100 Years: 1915-2015

1915-1925

Beginning of Extension at UVA

1925-1957

Books sent to communities without libraries
Off-grounds engineering courses
Northern VA Center opens

1958-1968

Bureau of Conferences & Short Courses
Southwest VA Center opens
George Mason 2-year program

1968-1973

Televised Courses
Roanoke Center opens

1974-1986

FBI National Academy
Off-Grounds Professional Certificates
Partnership to offer UVA master's degrees off Grounds

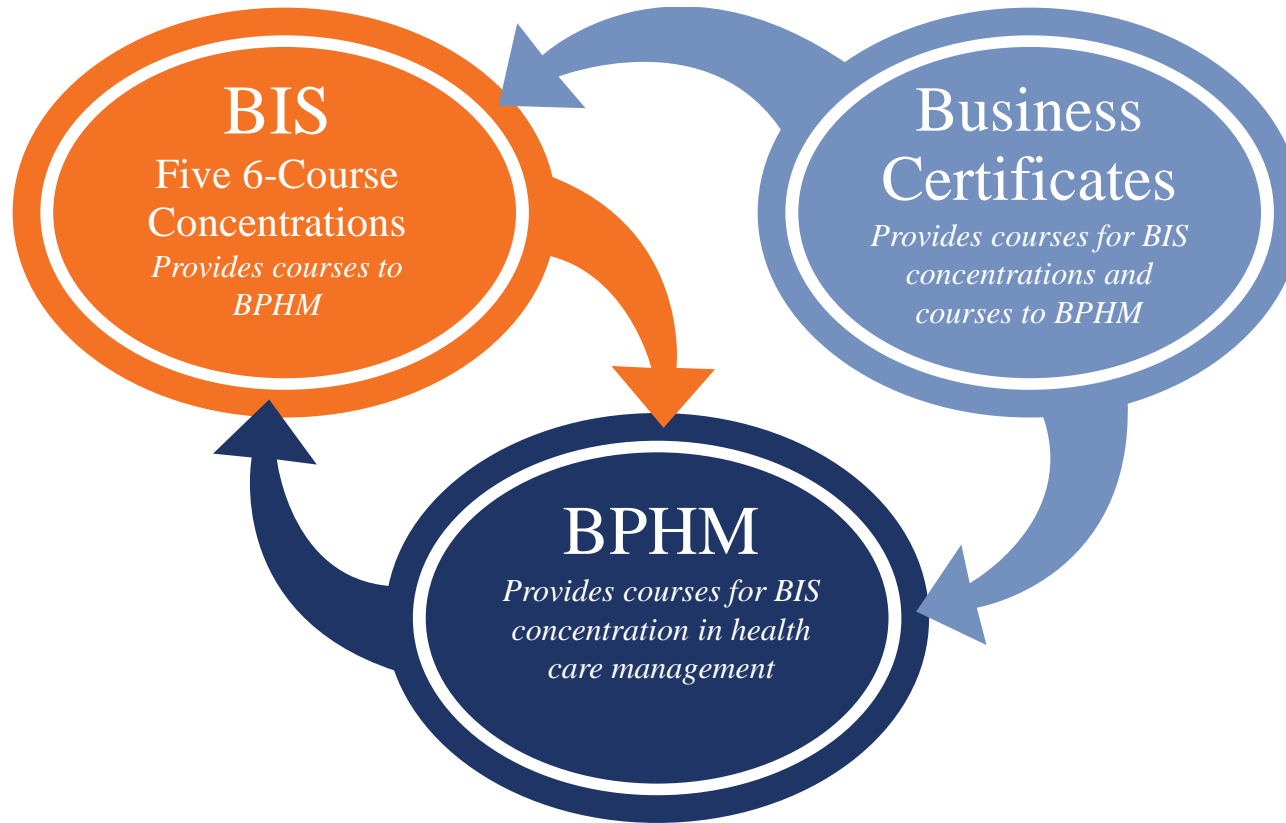
1988-1995

Summer on the Lawn / Center for Liberal Arts
VA Festival of the Film
Curry reading classes delivered via satellite

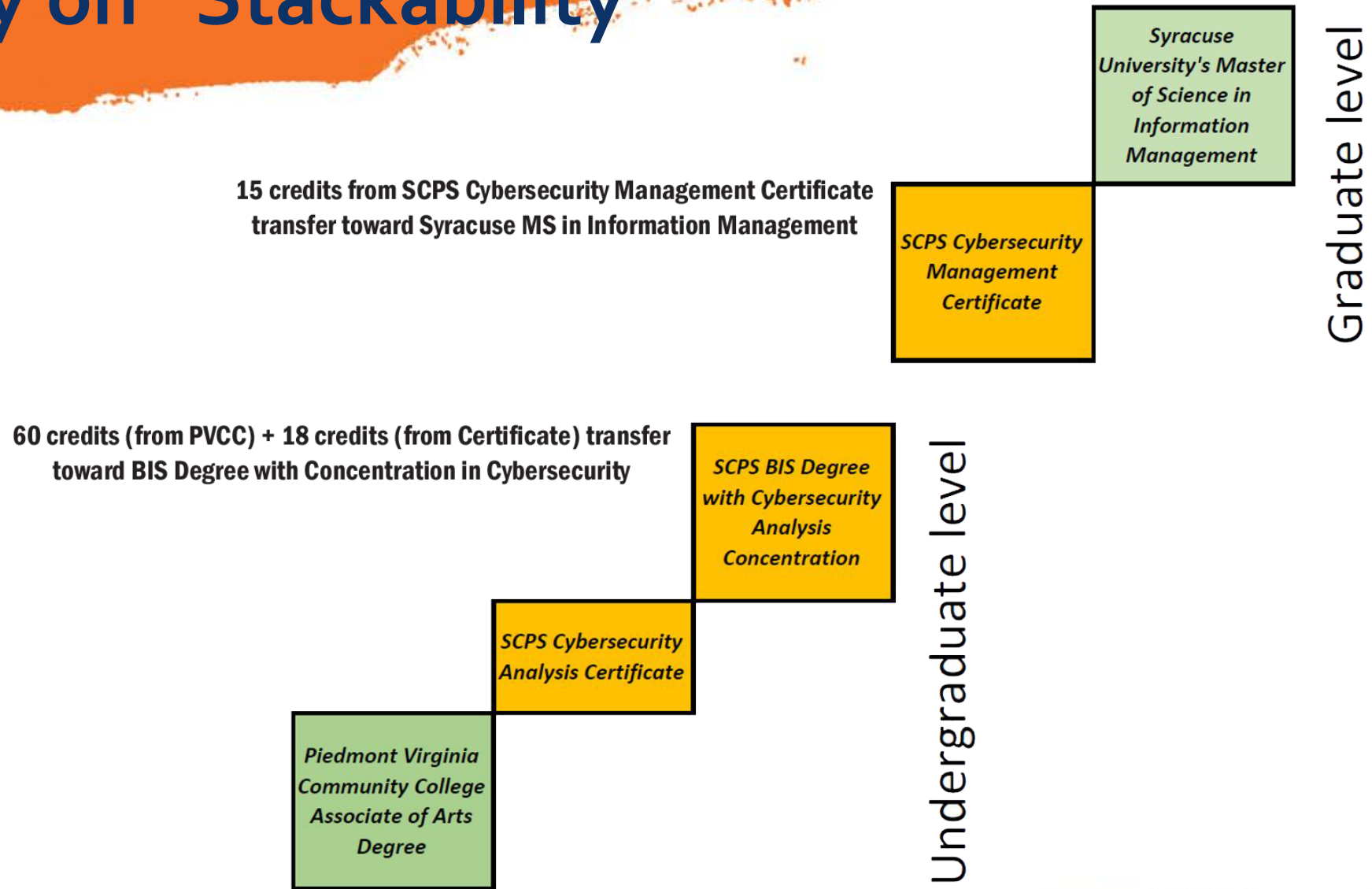
1996-Present

BIS launched, expanded, online
Growth in online certificates
Bachelor's in health sciences online

Intercoordinated Online Programs



Priority on "Stackability"



Newest Programs

**Graduate Certificate in Health Sciences Management
BIS Concentration in Health Care Management**

**Undergraduate Certificate in Cyber Security Analysis
BIS Concentration in Cyber Security**

**Master of Public Safety (pending SCHEV approval)
anticipated Fall 2019 launch**

