

TASK FORCE MEMBERS

# **QEP Taskforce**

**Co-Chairs**: Dr. Kati Migliaccio, Chair ABE & Dr. Jane Southworth, Chair Geography

Last Name	First	College/Division	Rank/Position	Department
Aytug	Haldun	Business	Flammer Professor and Academic Unit Head (Chair)	BA-ISOM BUSINESS OFFICE
Boren	Shaun	Assessment and Research	Director, DSA Assessment & Research	SL-OFFICE OF ASSESSMENT
Brendemuhl	Joel	College of Agricultural and Life Sciences	Associate Dean	AG-DEAN FOR ACADEMIC PROGRAMS
Canton	David	College of Liberal Arts and Sciences	Director	LS-AFRICAN AMERICAN STUDIES
Drucker	Charles		Student	
Citty	Jeff	Innovation Academy	Director, Innovation Academy	PV-INNOVATION ACADEMY
Colon	Elayne	College of Education	Director, Assessment and Accreditation	ED-DN OFFICE
Cummings	Evie	UF Online	Assistant Provost, Dir of UF Online	PV-UF ONLINE GEN
Frias-Lopez	,	College of Dentistry	Associate Professor	DN-ORAL BIOLOGY
		Public Health and Health Professions	Associate Dean for Educational Affairs	HP-OFFICE OF THE DEAN
Glover	Ja'Net	Student Affairs	Senior Director for Career Services	SA-CAREER CONNECTIONS CENTER
Haddad	Youssef	College of Liberal Arts and Sciences	Professor	LS-LANGUAGE LITERATURE&CULTURE
Hershfield	Selman	College of Liberal Arts and Sciences	Professor	LS-MAGNETIC LAB/Physics
Holland	Brian	Nursing	Clinical Associate Professor	NR-BNS-BIOBEHAVORIAL NUR SCI
Kaplanidou	Kiki	College of Health and Human Performance	Professor	Department of Sport Management
Larkin	Iske	Veterinary Medicine	Lecturer and Education Coordinator	VM-LACS
Lo-Ciganic	Wei Hsuan (Jenny)	Pharmacy	Associate Professor	PH-PHARM OUTCOMES & POLICY
McCarty	Christopher	College of Liberal Arts and Sciences	Professor	LS-BEBR ADMINISTRATION
McMullen	Kyla	Herbert Wertheim College of Engineering	Assistant Professor/Director, SoundPad Lab	EG-COMPUTER / INFO SCI & ENG
Mennel	Barbara	College of Liberal Arts and Sciences	Professor	Center for the Humanities and the Public Sphere
Miller	David	College of Education	Professor and Director	School of Human Development and Organizational Studies in Education
Pinkoson	Christopher	Academic Technology	Instructional Designer	IT-AT CITT
Portillo	Meg	College of Design, Construction, and Planning	Professor and Chair	DCP-INTERIOR DESIGN
Pollard	Rhiannon	UF Online	ASO DIR, Academic Support Svcs	PV-UF ONLINE GEN
Robinson	Blake		Student	SL-SAI-STUDENT ACT INVOLVEMENT
Ross	Elizabeth	College of the Arts	Associate Professor	COTA-ART-DIRECTOR
Setlow	Jennifer	College of the Arts	Associate Dean and Associate Professor	COTA-DEAN'S OFFICE
Sharp	Christopher	Academic Technology	Educational Technologist	IT-AT CITT
Smith	Shenice		Student	SL-STUDENT LIFE
Stein	Amy	Levin College of Law	Associate Professor of Law	LW-ASSOC DEAN-ACADEMIC
Stepp	Rick	College of Liberal Arts and Sciences, Quest III lead	Professor	LS-ANTHROPOLOGY-GENERAL
	Aaron	IT Enterprise Systems	Principal Data Scientist	IT - ENTERPRISE SYSTEMS
Washington	Lane	Student Life	Director of Strategic Initiatives	VP - STUDENT AFFAIRS
Weigold	Michael	College of Journalism and Communications	Professor, CJC Online Undergraduate Program Director	CJC-ADVERSTISING-GENERAL

The Southern Association of Colleges and Schools Commission on Colleges (SACSCOC) is the body for the accreditation of degreegranting higher education institutions in the Southern states.

The SACSCOC is an institutional accreditation commission authorized by the US Department of Education

Accreditation is reaffirmed every ten years, and checked at the five-year point in a Fifth Year Review



### Why is SACSCOC important?

- Accreditation is required for students to be eligible for federal financial aid, around \$400M per year, and federal grants, \$679.4M in 2021
- Accreditation is a peerreview process whereby member institutions seek to meet a set of 85 standards in 14 categories established by the commission with the approval of its members
- A measure of institutional quality determined by peers



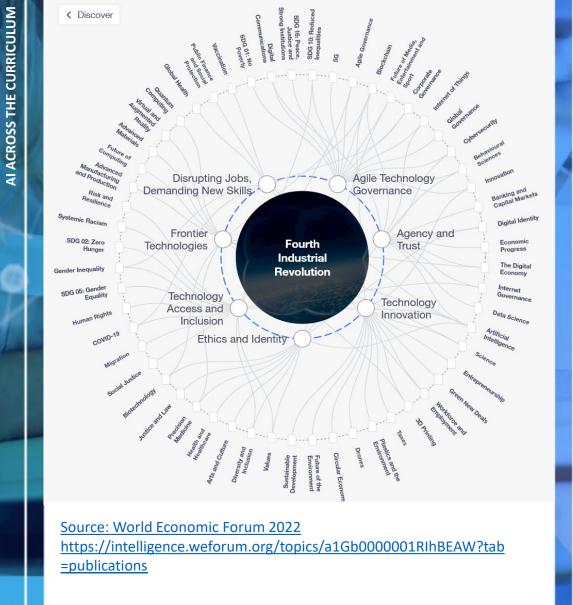
- a topic identified through its ongoing, comprehensive planning and evaluation processes;
- has broad-based support of institutional constituencies;
- focuses on improving specific student learning outcomes and/or student success;
- commits resources to initiate, implement, and complete the QEP; and includes a plan to assess
- achievement.



The Fourth Industrial Revolution represents a fundamental change in the ways that we live and work:

- merging the physical, digital, and biological worlds and fusing technologies in ways that create both promise and peril.
- The speed, breadth, and depth of this revolution has forced us to rethink how countries should develop, how organizations create value, and how people from all walks of life can benefit from innovation.
- Now, as the world grapples with COVID-19, there is an opportunity to further embrace this revolution in ways that create a more inclusive, human-centred global economy.

Created by World Economic Forum, © 2022 World Economic Forum.



The report also identifies human talent as the "most conspicuous AI deficit and the single greatest inhibitor to.... AI-enabled technologies for national security purposes."

The report further outlines the need to develop a digitally-literate workforce with Al readiness by 2025 (NSCAI, 2021).

FIGURE 2 THE FIVE AREAS OF AI READINESS

**WORKFORCE READINESS** 

# 21st Century Skills

How today's students can stay competitive in a changing job market

### **Learning Skills**









collaboration

### **Literacy Skills**









Life Skills











leadership

initiative

productivity

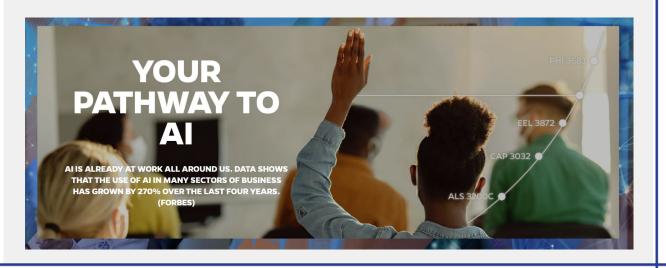
social skills

Applied

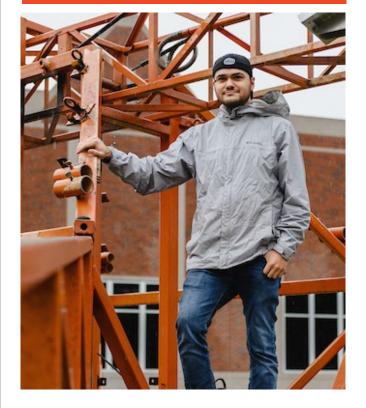
#### **CAPITALIZE ON EXISTING UF INVESTMENT IN AI**

# Existing UF investment [\$70 MILLION]:

- \$25 million from UF alumnus Chris Malachowsky and \$25 million in hardware, software, training and services from NVIDIA, the Silicon Valley-based technology company he cofounded and a world leader in AI and accelerated computing.
- \$20 MILLION FROM UF:
  - 100 faculty hires across campus, all in Al
  - HiPerGator



### **QUALITY ENHANCEMENT PLAN (QEP)**



#### **Quality Enhancement Plan (QEP)**

provide students with the opportunity to acquire knowledge, skills, and applications in Artificial Intelligence (AI).

#### Al Across the Curriculum (QEP, 2024-29)

focused on helping students become successful digital citizens and global collaborators (Zimmerman, 2018).

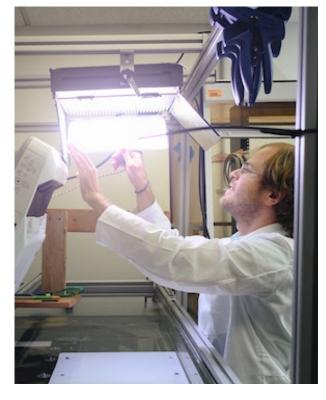
#### YOUR PATHWAY TO AI



#### "Your Pathway to AI" (University of Florida, 2021a)

• places AI at the center of a major, long-term initiative combining world-class research infrastructure and cutting-edge research with a transformative curriculum.

### **QEP TASK FORCE**



The co-chairs and task force members were charged in November 2021.

This QEP will create campus wide opportunities and experiences for:

UNIVERSITY OF FLORIDA

- **Exploring AI and Data Science**
- Al awareness and general knowledge
- Employing ethical and equitable AI
- Al application and use in different disciplines
- Al foundational development and expertise

mirror\_

**UNIVERSITY OF FLORIDA** 

# GOAL 1

• Identify opportunities to engage with AI across campus

# GOAL 2

- Design initiatives to support AI integration in all programs
- Develop student learning outcomes for these initiatives
- Develop measures for assessing student learning
- Evaluate the university's progress toward successful implementation

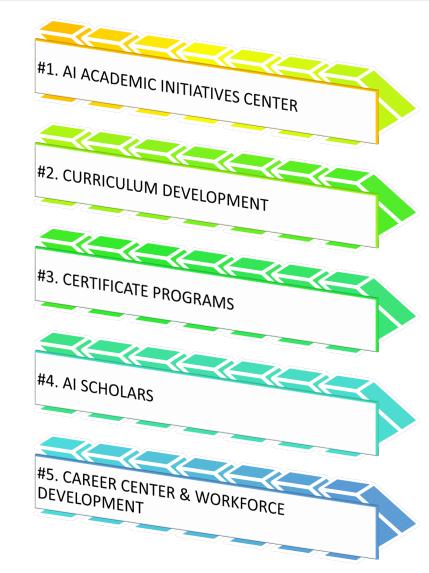
# GOAL 3

- Implement these initiatives
- Assess their effectiveness annually
- Analyze assessment results
- Revise initiatives as needed.



**UNIVERSITY OF FLORIDA** 

TASK FORCE PROGRAM INITIATIVES



AI ACROSS THE CURRICULUM

mirror

# 1. CENTER FOR AI AT UF

- The creation of a campuswide center for AI is seen as a critical first step in the AI **Across the Curriculum** Initiative
- · The Provost has recognized this need and has created the **Artificial Intelligence** Academic Initiative [AI<sup>2</sup>] Center with a Director to lead the effort.
- · Center will manage the coordination, development, assessment, and reporting needs of all the AI programs across campus, including those developed in the QEP.

**NOTE:** future QEP task force work will be coordinated with new Al<sup>2</sup> Center Director

# **UF announces Artificial Intelligence Academic Initiative** Center



The new Artificial Intelligence Academic Initiative Center will be the campus focal point for academic activity at the university related to AI and data science.

In its latest step to promote artificial intelligence (AI) and data science and integrate Al across the curriculum, the University of Florida announced today it will create an Artificial Intelligence Academic Initiative Center.

The new center, led by Associate Provost for Strategic Initiatives David Reed, will be the campus focal point for academic activity at the university related to AI and data science, including the coordination and development of programs and certificates; the identification of opportunities for faculty and students to engage with AI; the coorganization of seminars and conferences; the development of an AI Scholars



**FLORIDA** 

**UNIVERSITY OF** 

### 2. CURRICULUM DEVELOPMENT

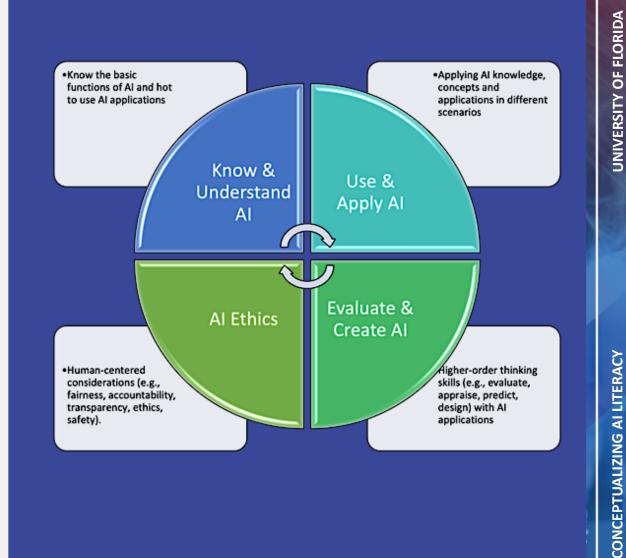
### **CONCEPTUALIZING AI LITERACY**

- · To focus the plan on student learning and the conditions that enhance student learning, four AI competencies were selected to develop and measure. These concepts were validated in the literature and matched to the goals of the AI Across the Curriculum Initiative.
- Managed via an AI university committee, within the process of existing UCC and GCC review, similar to Gen Ed's [determine where in process to review]
- AI CC sub-committee will review, evaluate and tag the type of AI skills within the course, once approved at UCC. Link to SLO's & Assessment types/rubrics
- This will indicate level of technology and proficiency expected at the end of the course and will be linked to course SLOs. 4 AI literacy types identified:
  - 1. Know and understand AI
  - 2. Use and Apply Al
  - 3. Evaluate and Create Al
  - 4. AI Ethics

Ng et al., 2021, Conceptualizing Al literacy: an exploratory review, in Computers and Education: Artificial Intelligence, 2

#### **SEED GRANTS**

• Seed Grants for course development of new courses on AI or existing courses to add an AI component (use model for Internationalizing curriculum).



AI ACROSS THE CURRICULUM

**CERTIFICATE PROGRAMS** 



## 3. CERTIFICATE PROGRAMS

A series of differing certificate programs, some of which are already underway, will be developed and advertised/managed though the UF AI Center.

These certificate programs will focus on campus wide certificates, discipline specific initiatives, and application-based certificate programs, and will be for a suite of different audiences:

- Undergraduate students (on campus and UFO)
- Graduate Students
- Professional Students
- Faculty
- UF and beyond

QEP focus will be on undergraduate certificate programs

AI ACROSS THE CURRICULUM

CERTIFICATE PROGRAMS

## 4. AI SCHOLARS PROGRAM

Program modeled on existing UF Scholars program:

- Undergraduates Application process to work on AI related research project with a faculty member, same as current program but must have an Al focus. Link to Quest 3 program directly. QEP focuses on this program
- Graduates/Professional make a summer fellowship Scholars program. Content/focus on AI research.
- Faculty Pair an AI expert with a non-AI faculty to develop a new research initiative for submission to national funding agency

#### **AI Scholars Medallion Programs**

Undergraduate students compete a series of courses, attend activities/speakers etc. on AI managed by the Center, and is an AI Scholar recipient then they receive an Al Medallion.

AI Scholars will be showcased during conferences and other professional events held by the AI Center.

**UNIVERSITY OF FLORIDA** 



mirror

**UNIVERSITY OF FLORIDA** 

AI SCHOLARS

**AI SCHOLARS** 

UF's AI initiative will have far-reaching impacts for the university, its students and its faculty

Equally important, the AI initiative at the University of Florida will play a crucial role in the transformation of the state's economy into a diversified, technology-driven, high-wage environment

Link to Career Ready Competencies (CRC, State Legislation)

Develop partnerships with industry & companies

Career Center will help link students with internships (Quest 3), job opportunities and career development.

Personalize the Pathway in AI: programs should develop milestones or pathways for students

Development at Career Center of Data Science job expertise and network development for student opportunities

- across campus
- across state
- across industry

Al-based expertise is unique and UF may benefit from companies that specialize in this job market

e.g., 'Interview Query'

State University System of Florida: Task Force on Academic and Workforce Alignment

**UNIVERSITY OF FLORIDA** 

mirror\_



# **QEP TASK FORCE NEXT STEPS**

Taskforce members present QEP Initiatives across campus for feedback. Online Survey for tool in Qualtrics developed for feedback from:

- Undergraduate students
- Graduate students/ Professional students
- Faculty
- Staff
- Leadership

**QEP TASK FORCE NEXT** 

TASK FORCE PROGRAM INITIATIVES



**QUESTIONS?** 



**COMMENTS?**