

Frances Armstrong, DNP, APRN, AGACNP-BC, AGPCNP-BC, CHSE, PNAP

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EDUCATION

Years	Degree	Institution	Location
2018 - 2019	Post-Graduate Certificate	University of Central Florida, <i>AGACNP Track</i>	Orlando, FL
2013 - 2016	DNP	University of Florida, <i>AGPCNP Track</i>	Gainesville, FL
2008 - 2012	BSN	University of Florida	Gainesville, FL

LICENSURE AND CERTIFICATION

Year (First Issued)	Source	Type	Number
2026	Society for Simulation in Healthcare	Certified Healthcare Simulation Educator (Active)	261086
2019	American Nurses Credentialing Center	Adult-Gerontology Acute Care Nurse Practitioner – Board Certified (Active)	2019031906
2016	American Nurses Credentialing Center	Adult-Gerontology Primary Care Nurse Practitioner – Board Certified (Active)	2016008749
2016	Florida Board of Nursing	Advanced Practice Registered Nurse (Active)	APRN9344019
2014	American Association of Critical Care Nurses	Critical Care Registered Nurse (Alumnus Status)	12465490
2012	Florida Board of Nursing	Registered Nurse, Multistate (Active)	RN9344019

CPR CERTIFICATIONS

Last Renewed	Type of Certification
2024	Basic Life Support (BLS) – Active
2024	Advanced Cardiovascular Life Support (ACLS) – Active

EMPLOYMENT***ACADEMIC APPOINTMENTS***

Years	Position	Institution	Location
Spring 2025 - Present	Graduate Simulation Coordinator	University of Central Florida, College of Nursing	Orlando, FL
Fall 2024 - Present	Clinical Assistant Professor, Graduate Faculty; Adult-Gerontology Acute Care Nurse Practitioner Program	University of Central Florida, College of Nursing	Orlando, FL
Fall 2023 – Summer 2024	Lecturer, Graduate Faculty; Adult-Gerontology Acute Care Nurse Practitioner Program	University of Central Florida, College of Nursing	Orlando, FL
Summer 2023	Adjunct Graduate Faculty	University of Central Florida, College of Nursing	Orlando, FL

CLINICAL APPOINTMENTS

Years	Position	Institution	Location
2026 - Current	Nurse Practitioner, Critical Care Medicine	Advent Health Medical Group, Advent Health Hospital System	Orlando, FL
2019 – 2025	Nurse Practitioner, Pulmonary and Critical Care Medicine	Central Florida Pulmonary Group, Affiliated with Advent Health Hospital System	Orlando, FL
2016 – 2017	Nurse Practitioner, Sleep Medicine	UF Health Sleep Disorders Clinic	Gainesville, FL
2014 – 2016	Charge Nurse, Medical Intensive Care Unit	UF Health Shands Hospital	Gainesville, FL
2012 – 2014	Staff Nurse & Preceptor, Medical Intensive Care Unit	UF Health Shands Hospital	Gainesville, FL

AWARDS AND HONORS

Date	Award	Organization/Group
2026	Professional Member Inductee	National Academies of Practice, Nursing
2021	ICU Hero Award	Advent Health Hospital
2012 – 2016 (multiple recognitions)	Customer Service is Key Award	UF Health Shands Hospital
2011	Nursing Honor Society Inductee	Sigma Theta Tau International

PUBLICATIONS

REFEREED JOURNALS

1. Blackwell, C.W., **Armstrong, F.**, & López Castillo, H. (2025). *Lenacapavir for HIV PrEP: Interim phase III clinical data evaluation*. The Journal for Nurse Practitioners, 21(4), doi: 10.1016/j.nurpra.2025.105360
2. Blackwell, C.W., López Castillo, H., **Armstrong, F.**, Guido-Sanz, F., & Hicks, R. (2025). *Mpox: A reemerging public health emergency*. The Journal for Nurse Practitioners, 21(9), doi: 10.1016/j.nurpra.2025.105491
3. Blackwell, C.W., López Castillo, H., & **Armstrong, F.** (2025). *Streptococcus pneumoniae associated community-acquired pneumonia in adults: Update on immunization recommendations*. The Journal for Nurse Practitioners, 21(10), doi: 10.1016/j.nurpra.2025.105565
4. (Under Review) Wiedbusch, M., Moreno, M., **Armstrong, F.**, Delgado, T., Dever, D., Karimi, M., Anderson, M., Guido-Sanz, F., & Azevedo, R. *From simulation to reality: How human digital twins could enhance healthcare education and clinical decision-making with multimodal learning analytics*. Manuscript submitted for publication in IEEE Transactions on Human-Machine Systems, Special Issue on Integrating Human-Machine Systems with Digital Twin Technologies.

ABSTRACTS

1. **Armstrong, F.**, Anderson, M., Guido-Sanz, F., Spears, S., Diaz, D., Blackwell, C.W., & Talbert, S. (2025). *Abstracts presented at the 25th annual International Meeting on Simulation in Healthcare: The usability of ultrasound task trainers*. Simulation in Healthcare: The Journal of the Society for Simulation in Healthcare 20(3):p e1-e80, June 2025. doi: 10.1097/SIH.0000000000000858

RESEARCH AND GRANTS

RESEARCH GRANTS AND SCHOLARLY PROJECTS—FUNDED

Year	Title, Funding Agency, Role, Investigators	Amount
2025	<i>Integrating Immersive Space Technology into Nursing Education</i> ; PI – F. Armstrong ; Co- I's: M. Anderson, D. Hernandez (In Progress)	\$4,000; Frances Smith Founding Faculty Fund
2025	<i>Transforming Maternal Health Education: Leveraging AI and Holograms to Prepare Nurses for High-quality Reproductive Care</i> . PI – Kimberly Navarro, Co-I's – Mindi Anderson, F. Armstrong (In Progress)	\$8,000; Swift Grant
2025	Grant Name: <i>Transforming healthcare education curricula with AI & XR; Meta x Bodyswaps Healthcare Education Grant</i> ; Roles: PI – M. Anderson, Co-I's - F. Armstrong , S. Galura, V. Schutz, P. Hill Study Name: <i>Transforming training for multiple nursing learner tracks through AI-enhanced simulations</i> ; Roles: PI: M. Anderson, Co-I's: F. Armstrong , S. Galura, V. Schutz, D. Hernandez, E. Hoyt, P. Hill (Completed)	In kind – software/hardware
2025	Grant Name: <i>The use of AI and two-dimensional life like avatars for assessment of simple and complex scenarios</i> ; Proto grant; Roles: PI: D. Diaz, Co-Is: P. Hill, J. LaManna, F. Armstrong Study Name: <i>Artificial Intelligence (AI)-Enhanced Scenarios – Holograms or Computer-based</i> ; Roles: PI M. Anderson; Co-I's D. Diaz, F. Armstrong , C. Blackwell, J. LaManna, D. Hernandez, M. Motta Lino, P. Hill, M. J. Dino; (Completed)	\$22,000; In kind

RESEARCH, EDUCATIONAL, AND PROJECT APPLICATIONS SUBMITTED—NON-FUNDED

Year	Title, Role, Investigators
2026	<i>Enhancing nursing student cognition through active observation and interruption management training</i> . Roles: PI P. Hill; Co-I's M. Anderson, F. Armstrong ; Ongoing study
2025	<i>Mobile Unit Simulation Pilot Study: Effectiveness and Preparedness</i> ; Roles: PI M. Anderson; Co-I's: M. Radecki, J. LaManna, F. Armstrong , C. Hernandez, B. Hoffman, E. Whyte, A. Cisneros, F. Cooks, S. Mallala; Completed study
2025	<i>A Cross-Sectional Study on Nurse Practitioner (NP) Student Competency Attainment and Direct Care Clinical Hours Completed</i> ; Roles: PI – J. LaManna; Co-I's: M. Anderson, F. Armstrong , J. Decker, L. Damato-Kubiet, G. Luzincourt, V. Martinez; Completed study
2025	<i>Holograms as Prebrief and Preparation</i> ; Roles: PI: D. Diaz, Co-I's: M. Motta Lino, F. Armstrong , M. Anderson, D. Hernandez, P. Hill, J. La Manna, C. Blackwell; Ongoing study
2025	<i>Nursing expertise in clinical decision-making</i> ; Roles: PI: R. Azevedo, Co-I's: M. Anderson, F. Guido-Sanz, F. Armstrong ; Ongoing study
2024	<i>Progressing toward competency-based evaluation in Nurse Practitioner programs</i> ; Roles: PI: J. LaManna, Co-I's: M. Anderson, F. Armstrong ; Ongoing study

Year	Title, Role, Investigators
2024	<i>The usability of ultrasound task trainers</i> ; Roles: PI: C. Blackwell, Co-I's: M. Anderson, F. Armstrong , F. Guido-Sanz, D. Diaz, S. Spears, S. Talbert; Completed study

OTHER FUNDING

Date	Role	Title	Agency	Type	Amount
2025	Recipient	Dr. Frances Smith Founding Faculty Fund	UCF College of Nursing	Internal	\$4,000

PRESENTATIONS – NATIONAL/INTERNATIONAL

Month/Year	Type	Title/Authors	Conference Title, City, State	Refereed/Invited
June 2026	Podium	Pneumococcal Vaccination in 2026: Essential Updates; C. Blackwell & F. Armstrong	American Association of Nurse Practitioners (AANP) National Conference, Las Vegas, NV	Refereed
June 2026	E-Poster	Holographic SBEs in healthcare training: Bridging technology and clinical reasoning; J. LaManna, M. Anderson, D. Diaz, F. Guido-Sanz, F. Armstrong , & C.W. Blackwell	SESAM, Lyon, France	Refereed
June 2026	E-Poster	AI Avatars for History Taking; M. Anderson, F. Armstrong , J. LaManna	SESAM, Lyon, France	Refereed
January 2026	Panel	AI as Clinical Preceptor: Exploring Evaluation of Graduate Nurse Simulations; K. O'Brian, F. Armstrong , A. Roberts, A. Santos, L. Robinson	26 th International Meeting on Simulation in Healthcare (IMSH), Orlando, FL	Refereed
January 2026	Podium	Simulation Unbound: Tailored AI experiences for Nursing Tracks; F. Armstrong , P. Hill, M. Anderson	26 th International Meeting on Simulation in Healthcare (IMSH), Orlando, FL	Refereed
January 2026	Podium	Modeling Nurse Practitioner Expertise in Clinical Decision-Making Using Real-Time Multimodal Simulation Data; M.	26 th International Meeting on Simulation in Healthcare (IMSH), Orlando, FL	Refereed

Anderson, **F. Armstrong**,
R. Azevedo, M. Wiedbusch,
F. Guido-Sanz

May 2025	Podium	Diagnosis and Management of HIV in Acute Care Settings; C. Blackwell, F. Guido-Sanz, F. Armstrong	AACN's National Teaching Institute and Critical Care Exposition, Annual Conference	Refereed
January 2025	Podium	The Usability of Ultrasound Task Trainers; F. Armstrong , M. Anderson, F. Guido-Sanz, D. Diaz, C. Blackwell, S. Spears	25 th International Meeting on Simulation in Healthcare (IMSH), Orlando, FL	Refereed

PRESENTATIONS – LOCAL/REGIONAL

Month/Year	Type	Title/Authors	Conference Title, City, State	Refereed/Invited
February 2026	Podium	Evolving Role of Immersive Simulation in Educating Nurses; M, Anderson & F. Armstrong	LIFE at UCF, Orlando, FL	Invited
September 2025	Webinar	Active Learning and Simulation in Nursing Education; M. Anderson, F. Armstrong , S. Stephenson	Florida Center for Nursing; Online Webinar	Invited
February 2025	Podium	Simulating Success: Immersion Technology in Healthcare Education; F. Armstrong , D. Hernandez, M. Anderson, D. Diaz, S. Spears	Florida Healthcare Simulation Alliance, Orlando, FL	N/A
April 2016	Poster	Evaluation of Curricular Preparation of Prospective Providers to Topics of Palliative Care, Advanced Care Planning, and End of Life Discussions at the University of Florida; F. Armstrong & H. Ahn	Annual College of Nursing Research Day and Malasanos Lectureship, DNP Project Presentation, Gainesville, FL	N/A

PROJECT ADVISEMENT AND MENTORING

GRADUATE DISSERTATION / THESIS / PROJECT ADVISING

Dates	Student	Title	Role
08/2025 - Present	Haley Newkirk	<i>Surgical Oncology Quality Improvement Project in Oral Care</i>	DNP Project Chair
08/2025 – Present	Jennifer Ram	<i>Increasing Adherence to Sedation Titration Orders and Its Effects on Intensive Care Unit Delirium</i>	DNP Project Chair

Dates	Student	Title	Role
08/2025 – 05/2026	Emlyn Tobillo	<i>Improving Clinical Communication and Goal-Oriented Care: Development of a Standardized Pain Management Note Template</i>	DNP Project Chair
08/2025 – Present	Timothy Restuccia	<i>Perceptions of Simulation-Based Education Among Advanced Practice Nursing Students</i>	DNP Site Sponsor
08/2024 – Present	Samantha Barrett	<i>Improving Ventilator Associated Pneumonia Knowledge and Bundle Compliance</i>	DNP Project Chair
08/2024 – Present	Raeanna White	<i>Improving “Crani-Bundle” Compliance Among Staff Nurses and Neurosurgical Extenders: A Quality Improvement Project</i>	DNP Project Chair
08/2024 - Present	Mary Collins	<i>Improving Perioperative Anxiety in Cataract Surgery Patients</i>	DNP Project Chair
08/2023 – 08/2024	Gabriel Mayerson	<i>Overcoming Barriers to Adherence to the Policy of Early Mobilization of Mechanically Ventilated Patients in the Intensive Care Unit at HCA Florida Lake Monroe Hospital, A Multidisciplinary Approach</i>	DNP Project Chair
08/2023 – 08/2024	Brittany Macaione	<i>Improving Advanced Care Planning Communication in Primary Care</i>	DNP Project Chair
08/2023 – 08/2024	Kseniya Tarasova	<i>Introducing the Endoscopy Safety Checklist in Citrus Ambulatory Surgery Center</i>	DNP Project Chair

COURSES TAUGHT

University of Central Florida, College of Nursing

Semester / Year	Course	Course Title	Enrolled	Program
Summer 2026	NGR6211 <i>Online</i>	Adult-Gerontology Acute Care Nurse Practitioner II	14	DNP
Summer 2026	NGR6211L <i>Mixed-Mode</i>	Adult-Gerontology Acute Care Nurse Practitioner II Clinical (course lead)	14	DNP
Summer 2026	NGR7913 <i>Online</i>	Doctoral Project 3	2	DNP
Spring 2026	NGR6215L <i>Mixed-Mode</i>	Adult-Gerontology Acute Care Nurse Practitioner Practicum (course lead)	10	DNP
Spring 2026	NGR6230L <i>Mixed-Mode</i>	Diagnostics and Skills for the Critically Ill (course lead)	12	DNP
Spring 2026	NGR7912C	Doctoral Project 2	3	DNP

Semester / Year	Course	Course Title	Enrolled	Program
	<i>Online</i>			
Fall 2025	NGR6212L	Adult Gerontology Acute Care Nurse Practitioner III Clinical (course lead)	10	DNP
	<i>Mixed-Mode</i>			
Fall 2025	NGR7911C	Doctoral Project I	3	DNP
	<i>Online</i>			
Fall 2025	NGR5003L	Advanced Health Assessment and Diagnostic Reasoning Laboratory (course lead)	22	DNP
	<i>Mixed-Mode</i>			
Summer 2025	NGR5003L	Advanced Health Assessment and Diagnostic Reasoning Laboratory (course lead)	12	DNP
	<i>Mixed-Mode</i>			
Summer 2025	NGR7913	Doctoral Project 3	3	DNP
	<i>Online</i>			
Summer 2025	NGR6211	Adult-Gerontology Acute Care Nurse Practitioner II	11	DNP
	<i>Online</i>			
Summer 2025	NGR6211L	Adult-Gerontology Acute Care Nurse Practitioner II Clinical (course lead)	11	DNP
	<i>Mixed-Mode</i>			
Spring 2025	NGR6215L	Adult-Gerontology Acute Care Nurse Practitioner Practicum (course lead)	15	DNP
	<i>Mixed-Mode</i>			
Spring 2025	NGR6230L	Diagnostics and Skills for the Critically Ill (course lead)	16	DNP
	<i>Mixed-Mode</i>			
Spring 2025	NGR7912C	Doctoral Project 2	3	DNP
	<i>Online</i>			
Fall 2024	NGR5003L	Advanced Health Assessment and Diagnostic Reasoning Laboratory (course lead)	31	DNP
	<i>Mixed-Mode</i>			
Fall 2024	NGR7911C	Doctoral Project I	3	DNP
	<i>Online</i>			
Summer 2024	NGR5003L	Advanced Health Assessment and Diagnostic Reasoning Laboratory (course lead)	20	DNP
	<i>Mixed-Mode</i>			
Summer 2024	NGR6211L	Adult-Gerontology Acute Care Nurse Practitioner I Clinical	15	DNP
	<i>Clinical</i>			
Summer 2024	NGR7913C	Doctoral Project 3	3	DNP
	<i>Online</i>			
Spring 2024	NGR6230L	Diagnostics and Skills for the Critically Ill	15	DNP
	<i>Mixed-Mode</i>			
Spring 2024	NGR7912C	Doctoral Project 2	3	DNP
	<i>Online</i>			
Fall 2023	NGR5003L	Advanced Health Assessment and Diagnostic Reasoning Laboratory	24	DNP
	<i>Mixed-Mode</i>			
Fall 2023	NGR6212L	Adult-Gerontology Acute Care Nurse Practitioner III Clinical	13	DNP
	<i>Mixed-Mode</i>			

Semester / Year	Course	Course Title	Enrolled	Program
Fall 2023	NGR7911C <i>Online</i>	Doctoral Project I	3	DNP

UNIVERSITY SERVICE

COLLEGE COMMITTEES

Date	Committee	Role
01/2025 – Present	University of Central Florida, College of Nursing, MSN-DNP Curriculum Committee	Member
01/2025 – Present	University of Central Florida, College of Nursing, STIM Committee	Ex-Officio
11/2025 – 03/2026	University of Central Florida, College of Nursing, Bylaws Committee	Member
10/2025 – 01/2026	University of Central Florida, College of Nursing, Research Incentive Award Committee, 2025 – 2026 Academic Year	Member
08/2026 – 05/2026	University of Central Florida, College of Nursing, Promotion and Tenure Committee for Instructor/Lecturer, 2025 – 2026 Academic Year	Member
01/2025 – 05/2025	University of Central Florida, College of Nursing, Clinical Assistant/Associate Professor and FNP Program Director Search Committee	Member
08/2024 – 12/2024	University of Central Florida, College of Nursing, Annual Evaluation Standards and Procedures Committee	Member, appointed
08/2023 – Present	University of Central Florida, College of Nursing, Nurse Practitioner Committee, Subcommittee of Nursing Practice Department	Member, Secretary (Fall 2024 – present)
01/2024 – 06/2024	University of Central Florida, College of Nursing, Internship Experiences Coordinator Search Committee	Member
12/2023 – 06/2024	University of Central Florida, College of Nursing, Assistant/Associate Dean for Clinical Practice	Member
08/2023 – 12/2024	University of Central Florida, College of Nursing, Student Scholarship and Awards	Member

COLLEGE SERVICE - OTHER

Date	Activity	Role
Summer 2026 – Present	University of Central Florida, College of Nursing, Faculty Association Leadership	President
Fall 2025 – Spring 2026	University of Central Florida, College of Nursing, Faculty Association Leadership	President-Elect
February 2026	UCF Go For Launch Campaign, College of Nursing Representation	Booth Presenter
Spring 2026	Adult-Gerontology Acute Care Nurse Practitioner Program Admission Application Review	Reviewer
February 2026	STEM Fest at the Orlando Science Center; University of Central Florida Academic Health Science Center Booth Presentation	Booth Presenter
Fall 2025 - Present	Lake Nona Healthcare Simulation Consortium	Member
Spring 2025	2 nd Annual UCF College of Nursing Public Health Partners Forum	Co-chair and organizer
Spring 2025	Adult-Gerontology Acute Care Nurse Practitioner Program Admission Application Review	Reviewer
Summer 2024	Knight Nurse Academic Center for Success - Graduate Student Support; Courses – Advanced Health Assessment and Diagnostic Reasoning (didactic)	Tutor/Mentor
Spring 2024	Adult-Gerontology Acute Care Nurse Practitioner Program Admission Application Review	Reviewer
Spring 2024	Knight Nurse Academic Center for Success - Graduate Student Support; Courses – Pathophysiologic Bases for Advanced Nursing Practice	Tutor/Mentor
Fall 2023	Knight Nurse Academic Center for Success - Graduate Student Support; Courses – Pathophysiologic Bases for Advanced Nursing Practice and Advanced Health Assessment and Diagnostic Reasoning (didactic)	Tutor/Mentor

PROFESSIONAL ACTIVITIES***RECENT PROFESSIONAL DEVELOPMENT ACTIVITIES***

Date	Activity
June 2026	American Academy of Nurse Practitioners, Annual Conference – presenter and attendee
January 2026	Society for Simulation in Healthcare, Annual International Meeting for Simulation in Healthcare – presenter and attendee
November 2025	Creighton Competency Evaluation Instrument 2.0 Training

Date	Activity
September 2025	National League for Nursing 2025 Education Summit, attendee
May 2025	AACN's National Teaching Institute and Critical Care Exposition, Annual Conference, presenter and attendee
April 2025	Breathe Easy - Simplify Your Ventilation Simulation Training by IngMar Medical and Echo Healthcare (Webinar) – attendee
February 2025	Society for Critical Care Medicine, Critical Care Ultrasound Adult Skills Course – attendee
January 2025	American Association of Colleges of Nursing, Annual Doctoral Education Conference – attendee
January 2025	Society for Simulation in Healthcare, Annual International Meeting for Simulation in Healthcare – presenter and attendee
December 2025	University of Central Florida, Faculty Center for Teaching and Learning, Playful Pedagogy – attendee
October 2024	Sentinel U, Uncharted Territories: Simulation Adventures Beyond the Lab – attendee
October 2024	American Association of Colleges of Nursing, Competency Based Education Workshop – attendee
April 2024	National Organization for Nurse Practitioner Faculties, Annual Conference – attendee

PUBLICATION EDITORIAL BOARDS AND REVIEW

Date	Journal or Publisher	Role
May 2026	Critical Care Nurse	Reviewer
April 2025	Critical Care Nurse	Reviewer

CONSULTATION

Date	Organization/Activity	Role
Spring 2026	University of Illinois, Chicago; College of Nursing	Case Validator and Subject Matter Expert
Spring 2025	Sentinel U – Case Writer for DCE	Subject Matter Expert

SERVICE TO PROFESSIONAL ORGANIZATIONS

Date	Organization	Role
2025 - Present	The International Nursing Association of Clinical Simulation and Learning (INACSL)	Member
2024 – Present	Association of Pulmonary Advanced Practice Providers	Member
2024 – Present	Society for Simulation in Healthcare	Member
2023 – Present	The National Organization of Nurse Practitioner Faculties <i>SIG: Simulation</i>	Member
2016 – Present	American Association of Nurse Practitioners	Member
2014 – Present	American Association of Critical Care Nurses	Member
2011 – Present	Sigma Theta Tau International, Honor Society of Nursing, Alpha Theta Chapter and Theta Epsilon Chapter	Member

RECENT PROFESSIONAL SERVICE

Date	Organization	Role
Spring 2025	UCF College of Engineering and Computer Sciences – Ultrasound Utilization Consultation	Subject Matter Expert
11/2022 11/2023 11/2024 04/2025	“Nurse Career Day”, University of Central Florida, College of Nursing	Invited, Guest Speaker
05/2022 – 08/2022	Acute Care Nurse Practitioner Student, University of Alabama at Birmingham	Preceptor, Critical Care Rotation, 280 hours
01/2021 – 04/2021	MSN Nursing Education Student, University of Central Florida, College of Nursing	Preceptor, 60 hours
2013 – 2016	Annual Skills Fair, UF Health Shands Hospital, Medical Intensive Care Unit	Volunteer Presenter