

Addenda

Master of Science in Higher Education Intercollegiate Athletics Administration

Approved 9/12/2025

Requirements	Hours
HEA 600 Administration of Higher Education	3
HEA 610 History of Higher Education	3
HEA 620 Access & Equity in Higher Education	3
HEA 660 College Student Development	3
HEA 685 Special Topics	3
or CHHS 612 Student Health and Well-Being in Higher Education	
KIN 635 Principles of Management in Sports	3
KIN 640 Advanced Techniques in Conditioning the Athlete	3
KIN 650 Social Aspects of Sport	3
KIN 656 Advanced Sport Psychology	3
KIN 690 Seminar in Sports Administration	3
or KIN 697 Advanced Field Experience in Kinesiology	
EPR 594 Introduction to Educational Research Design	3
Total Hours	33

Master of Science in Exercise Physiology

Approved 9/12/2025

Plan I

Requirements	Hours
KIN 637 Physiology of Exercise I	3
KIN 638 Physiology of Exercise II	3
EPR 609 Statistical Methods and Research in Education: Intermediate	3
EPR 594 Introduction to Educational Research Design	3
KIN 642 Practicum in Physiology	3
Program Electives	12
Choose four of the following:	
KIN 585 Advanced Exercise Testing and Prescription	
KIN 639 Exercise Prescription for High Risk Populations	
KIN 640 Advanced Techniques in Conditioning the Athlete	
KIN 641 Advanced Planning/Management of Fitness Facilities	
KIN 645 Advanced Motor Development	
KIN 656 Advanced Sport Psychology	
KIN 672 Advanced Treatment of Athletic Injuries	
KIN 674 Advanced Sports Nutrition	
KIN 694 Special Projects in Kinesiology	
Research/Thesis	6
KIN 699 Thesis Research	
Total Hours	33

Plan II

Requirements	Hours
KIN 637 Physiology of Exercise I	3
KIN 638 Physiology of Exercise II	3

EPR 609	Statistical Methods and Research in Education: Intermediate	3
EPR 594	Introduction to Educational Research Design	3
Program Electives		24
KIN 585	Advanced Exercise Testing and Prescription	
KIN 639	Exercise Prescription for High Risk Populations	
KIN 640	Advanced Techniques in Conditioning the Athlete	
KIN 641	Advanced Planning/Management of Fitness Facilities	
KIN 645	Advanced Motor Development	
KIN 656	Advanced Sport Psychology	
KIN 672	Advanced Treatment of Athletic Injuries	
KIN 674	Advanced Sports Nutrition	
KIN 694	Special Projects in Kinesiology	
Total Hours		36

Graduate Certificate in Ethical Dimensions of Artificial Intelligence

Approved 9/12/2025

Requirements	Hours
PHL 500 Philosophical Methods: Arguments, Evidence, and Fallacies	3
PHL 503 Philosophy of Artificial Intelligence	3
PHL 602 Neuroethics	3
PHL 680 Ethical Dimensions of Artificial Intelligence	3
Elective	3
Choose one of the following:	
PHL 501 Central Issues in Bioethics	
PHL 506 Ethical Theory	
PHL 604 Medical Epistemology	
PHL 607 Philosophical Issues in Research Ethics	
PHL 615 Metaethics	
PHL 636 Bioethics and the Law	
PHL 671 The Scientific Enterprise	
PHL 675 Philosophy of Mind	
PHL 690 Philosophy Seminar in Ethics	
CS 660 Artificial Intelligence	
BY 617 Science Policy	
EE 634 Introduction to Neural Networks	
ENH 615 Environmental Justice and Ethics	
ENH 617 Sustainability and Public Health	
HCI 611 Foundations of Artificial Intelligence in Medicine	
HCI 613 Leadership and Ethics for Artificial Intelligence in Medicine	
IS 607 Introduction to Cybersecurity	
HI 620 Security and Privacy in Health Care	
Total Hours	15

Graduate Certificate in Medical Signal Image Analysis

Approved 6/13/2025

Requirements	Hours
EE 623/723 Computer Vision	3
EE 643/643 Numerical Methods in Engineering	3
EE 660/660 Medical Signal Processing	3

Elective Options		6
Choose two of the following:		
EE 563	Medical Image Analysis	
EE 621/721	Random Variables and Processes	
EE 626/726	Digital Image Processing	
EE 634/734	Introduction to Neural Networks	
EE 638/738	Neural Time Series Data Analysis	
EE 655/755	Cloud Computing	
EE 656/756	Introduction to Big Data Analytics	
EE 658/758	Machine Learning in Engineering	
Total Hours		15

Graduate Certificate in Applied Data Analytics and AI Engineering

Approved 9/12/2025

Requirements		Hours
EE 655/755	Cloud Computing	3
EE 656/756	Introduction to Big Data Analytics	3
EE 658/758	Machine Learning in Engineering	3
Elective Options		6
Choose two of the following:		
EE 634/734	Introduction to Neural Networks	
EE 640/740	Object-Oriented Design	
EE 642/742	Intelligent Systems	
EE 643/743	Numerical Methods in Engineering	
EE 650/750	Software Engineering	
EE 651/751	Software Engineering Large Systems - I	
EE 654/754	Mobile Computing	
EE 668/768	Large Language Models: Theory and Practice	
Total Hours		15

Graduate Certificate in Learning Design and Learning Sciences

Approved 9/12/2025

Requirements		Hours
LDLS 600	Foundations of the Learning Sciences and Learning Design	3
LDLS 610	Learning Experience Design I	3
LDLS 620	Learning Design Research Methods	3
LDLS 640	Learning Theories for Learning Design	3
Elective Options (choose one):		3
LDLS 680	Game-Based Learning	
LDLS 681	Learning Design With and For Augmented Intelligence	
LDLS 682	Complex Systems	
LDLS 683	Designing for Creativity in Learning	
Total Hours		15

Master of Arts in Psychology

Reinstated Fall 2025

Plan I ^{2,3}

Requirements		Hours
PY 716 & 716L	Introduction to Statistics and Measurement and Lab for Introduction to Statistics and Measurement	4
Statistics Elective		3-4
PY 717 & 717L	Applied Statistical Methods and Lab for Applied Statistical Methods	
PY 718	Advanced Research Design	
Thesis Research		9-12
PY 698	Premaster's Degree Graduate Research	
PY 699	Master's Level Thesis Research	
Program Electives ¹		10-14
Total Hours		26-34

Plan II ^{2,3}

Requirements		Hours
PY 716 & 716L	Introduction to Statistics and Measurement and Lab for Introduction to Statistics and Measurement	4
PY 796	Practicum in the Teaching of Psychology	3-9
Program Electives ¹		17-23
Total Hours		24-36

¹ PY 520, PY 561, PY 580, PY 619, PY 620, PY 635, PY 653, PY 683, PY 687, PY 693, PY 704, PY 707, PY 708, PY 712, PY 717, PY 717L, PY 718, PY 719, PY 719L, PY 729, PY 731, PY 742, PY 785, PY 791, PY 796

² A minimum of 30 hours is required to complete a M.A. degree in Psychology under Plan I or Plan II. Students will need to complete program electives until the minimum requirement is reached.

³ While some courses may be available online in person attendance is required to complete the degree.

Graduate Certificate in Cultural Resource Management for Archaeology

Approved March 2025

Requirements		Hours
ANTH 611	Field Archaeology	3
or ANTH 636	Anthropology Internship	
Analytical Methods		6
ANTH 627	Archaeological Laboratory Methods	
ANTH 667	Museum Studies	
ANTH 697	Special Topics in Anthropology	
ANTH 622	Landscape Archaeology	
ANTH 642	Historical Archaeology	
ANTH 655	Archaeology of Alabama	
ANTH 663	Technical Writing for Archaeology	
ANTH 637	Real World Remote Sensing App	
ANTH 634	Observing the Earth from Space	
ANTH 531	Memory and Memorialization	

Ethics and History		6
ANTH 609	Archaeological Ethics and Theory	
ANTH 526	NAGPRA, Repatriation, and Indigenous Rights	
ANTH 624	The Law of Historical and Cultural Resources	
ANTH 656	Current Issues in Cultural Heritage	
Total Hours		15

Graduate Certificate in Nonprofit Management for Social Work Professionals

Approved December 2024 for students pursuing the Master of Social Work Degree

Requirements	Hours
MPA 672 Nonprofit Management	3
SW 630 Research with Health and Behavioral Health Populations I	3
SW 631 Research with Health and Behavioral Health Populations II	3
Electives	6
MPA 665 Crisis Management	
MPA 671 Marketing and Fundraising	
MPA 673 Nonprofit Health	
MPA 674 GIS for Managers	
MPA 675 Equity in Public Administration	
MPA 678 Strategic Planning	
MPA 682 Economic Development	
MPA 683 Public Managerial Economics	
MPA 684 Grants Management	
MPA 686 Data Management	
MPA 687 Resource Management	
MPA 688 Global Public Administration	
MPA 689 Program Evaluation	
MPA 695 Special Topics in Public Administration	
Total Hours	15

Graduate Certificate in Climate and Health

Requirements	Hours
ENH 607 Fundamentals of Climate Change and Health	3
ENH 615 Environmental Justice and Ethics	3
Electives	9
ENH 604 Introduction to GIS in Public Health	
ENH 609 Climate, Water Resources, and Public Health	
ENH 610 Environmental Disasters	
GHS 600 Fundamentals of Global Health	
GHS 603 Immigrant, Migrant, Refugee Health	
GHS 609 Environmental Health in Resource Limited Settings	
HB 612 Examining Health Inequities in Social and Behavioral Sciences	
Total Hours	15

Graduate Certificate in Artificial Intelligence in Health Services

Approved June 2025, previous approval from FSCC

Requirements	Hours
HI 634 Foundations - Artificial Intelligence in Health Services	3
HI 633 Artificial Intelligence Methods in Health Services	3
HI 635 Data Mining, Management, and Modeling for Artificial Intelligence in Health Services	3
HI 636 Human Factors Considerations for Artificial Intelligence in Health Services	3
HI 620 Security and Privacy in Health Care	3
Total Hours	15

Biomedical and Health Informatics PhD Program

Approved 9/1/2025

Requirements	Hours
Core Courses	18
BST 621 Statistical Methods I	
HCI 611 Foundations of Artificial Intelligence in Medicine	
AH 707 Research Methods	
HI 620 Security and Privacy in Health Care	
Bioinformatics Track Courses ¹	20
INFO 701/601 Introduction to Bioinformatics	
INFO 703/603 Biological Data Management	
INFO 704/604 Next-generation Sequencing Data Analysis	
INFO 702/602 Algorithms in Bioinformatics	
INFO 791/691 Bioinformatics Seminar I	
INFO 793/693 Bioinformatics Journal Club	
GRD 717/617 Principles of Scientific Integrity	
Clinical and Health Informatics Track Courses ¹	20
INFO 773/673 Clinical Informatics Journal Club	
GRD 717/617 Principles of Scientific Integrity	
INFO 791/691 Bioinformatics Seminar I	
Artificial Intelligence In Medicine Courses ¹	20
AIM 642 Artificial Intelligence for Medical Imaging	
AIM 643 Artificial Intelligence for Biomedical Signals and Critical Care Systems	
HCI 614 Integration of Artificial Intelligence into Clinical Workflow	
GRD 717/617 Principles of Scientific Integrity	
INFO 791/691 Bioinformatics Seminar I	
INFO 799 Bioinformatics Research for Dissertation	24
Program Electives	12
INFO 712 Visual Analytics for Bioinformatics	
INFO 751 Systems Biomedicine of Human Microbiota	
INFO 762 Biomedical Applications of Natural Language Processing	
or CS 762 Natural Language Processing	
CS 716 Big Data Programming	
CS 760 Artificial Intelligence	
CS 763 Data Mining	
CS 765 Deep Learning	
CS 767 Machine Learning	
CS 773 Computer Vision	
BY 633 Advanced Molecular Genetics and Medicine	
GBS 707 Basic Biochemistry and Metabolism	
GBS 708 Basic Genetics and Molecular Biology	
GBS 709 Basic Biological Organization	

GBS 701	Core Concepts in Research: Critical Thinking & Error Analysis	
BME 617	Engineering Analysis	
BST 622	Statistical Methods II	
BST 621	Statistical Methods I	
INFO 710	Programming with Biological Data	
GBS 716	Grantsmanship and Scientific Writing	
or GBS 725	Grant Writing- Crafting a Research Proposal	
or GBSC 726	Science Communication & Review	
or GRD 709	Writing Fellowships	
Total Credit Hours		74

¹ At least one course track is required for completion of this program.
Total credit hours required for completion of this program is 74.

Graduate Courses Allowed for Credit Sharing

Approved 8/5/25 as a correction item to the Graduate Business Administration page
(<https://current.catalog.uab.edu/graduate/schoolofbusiness/businessadministration/>)

- MBA 603: BUS 202
- MBA 610: BUS 215
- MBA 611: IS 300/400 level major elective
- MBA 630: MG 302 or MG 401 or MG 425
- MBA 638: BUS 350 or BUS 351
- MBA 639: BUS 306
- MBA 640: EC 210 or EC 310
- MBA 650: MK 450
- MBA 693: BUS 450

Graduate Certificate in Artificial Intelligence in Nursing

Approved 7/31/2025 (courses awaiting approval)

Requirements	Hours
NAI 611 Foundations of AI in Nursing	3
NAI 612 Integration of AI Technologies into Nursing Practice	3
NAI 613 Application of AI in Nursing	3
NAI 614 Responsible use of AI in Nursing	3
NAI 615 Capstone Project: AI in Nursing	3
Total Hours	15

Coordinated Master of Public Health & Doctor of Physical Therapy Requirements

Approved 12/24/2024

Requirements	Hours
MPH Core Curriculum (14 hours)	
PUH 601 This is Public Health	1
PUH 602 Community Assessment	3
PUH 603 Quantitative Methods in Public Health	3
PUH 604 Programs and Policies	3
PUH 605 Public Health Management and Evaluation	3
PUH 606 Leadership for Evidence-Based Public Health	1
MPH Degree Requirement (1 hour)	

ENH 690	Environmental Health Perspectives	1
Population Health Degree Requirement (3 hours)		
PUH 610	Population Health	3
Applied Practice Experience (3 hours)		
PUH 688	Public Health Internship	3
MPH Electives (7 hours) ¹		7
Integrative Learning Experience (2 hours)		
HB 689	Health Behavior Integrative Learning Experience	2
or HPO 689	HPO Integrative Learning Experience	
or ENH 689	Environmental Health Sciences Integrative Learning Experience	
Total SOPH Hours:		30
Shared Hours from DPT Curriculum (12 hours)		
PT 761	PT Professional Practice II	3
PT 762	PT Professional Practice III	3
PT 763	PT Professional Practice IV	2
PT 790	Scientific Inquiry I	2
PT 791	Scientific Inquiry II	2
Total Hours for both MPH and DPT:		42

Graduate Certificate in Interdisciplinary Teaching and Learning in Higher Education

Approved June 2025

Requirements	Hours
TLHE 600 Theory of Learning	3
TLHE 610 Interdisciplinary Teaching	3
TLHE 620 Assessment of Teaching and Learning	3
TLHE 640 Teaching Practicum	3
Elective (choose one)	3
TLHE 630	
TLHE 631	
TLHE 632	
TLHE 633	
Total Hours	15

Master of Science in Engineering Management MBA Course Options

9/3/2025

Requirements	Hours
MBA Options (Choose 3)	9
MBA 602	Essential Skills in Financial Reporting & Analysis (MBA 610 as pre/co-req)
MBA 603	Internal Tools for Investment, Risk, and Profitability (MBA 602 as pre-req)
MBA 610	Business Analytics and AI
MBA 611	Managing Disruptive Technologies
MBA 630	Leadership of People & Organizations
MBA 640	Navigating the Complex Economic Environment (MBA 610 as pre/co-req)
MBA 681	From Idea to IPO
or MBA 683	Leading Innovation