

Knowledge in Action

Knowledge in Action (total of 3+ credits) includes Experiential Learning and Senior Capstones: Throughout their education, but especially as they approach graduation, students are encouraged to look to the farther horizons of their future in the world. Students participate in experiential learning and, as part of the culmination of their Miami education, a Miami Capstone course. These experiences place a special emphasis on applying knowledge and skills they've gained during their time at Miami to settings beyond Miami.

Frequency of Course Offerings: Course scheduling patterns are subject to change and are determined by each program, department, or college. Frequency of offerings can change without notice. However, every Miami Plan course should be offered at least once every 4 semesters, if not more.

Advising: Please consult with an Academic Advisor for specific questions regarding course scheduling, degree maps, and Miami Plan requirements. Students must have earned 93 hours before completion of their Senior Capstone for it to count.

Senior Capstone (3 hours)

The Miami Plan Senior Capstone (SC), completed near the end of baccalaureate studies, integrates liberal learning with specialized knowledge. Each SC presumes a significant scholarly background of specialized study in a major as well as in liberal education course work. The Senior Capstone does more than culminate years of baccalaureate study: it culminates a student's liberal education.

Ordinarily, a Senior Capstone is taken at Miami and is completed in the senior year (minimum of 93 hours registered or earned). Students who plan to transfer any course to meet the SC requirement must obtain permission from the Office of Liberal Education **before** they take the course. The SC may be completed in or outside students' majors; in some departments, the SC may be a requirement of the major.

Students may propose their own Senior Capstone Experience. See the Office of Liberal Education website (www.MiamiOH.edu/liberal-ed) for details.

Senior Capstones

Code	Title	Credit Hours
ACC 495/ACC 595	Accounting Analysis	3
AES 432	National Security/Leadership Responsibilities/Commissioning Preparation	3
AMS 401	Senior Capstone in American Studies	4
APC 401	Applied Communication Capstone	3
ARC 402C	Senior Studio Capstone Experience	6
ARC 408	Interior Design Studio	6
ARC 426/ARC 526	Architecture and Society	3
ART 419	Supervised Student Teaching in Art	15
ART 452	Communication Design Studio 3: Degree Project	3
ART 453	Highwire Brand Studio ¹	4

ART 492	Professional Artist's Portfolio and Exhibition Experience	3
ART 493	Professional Dispositions in Art Education	3
ART 498	History and Methods in Art and Architectural History	3
ATH 421	Senior Seminar in Anthropology	3
ATH 448	Developing Solutions in Global Health	3
ATH/BIO 498	Evolution of Human Behavior	3
BIS 401	Senior Integrative Seminar	3
BLS 465	Ethics, Law, & Business	3
BIO 400	Capstone Seminar: Contemporary Issues in Biology	3
BIO 419R	Independent Research Capstone	3
BIO 452/BIO 552	Neuromodulation: Cells to Circuits	3
BIO 453/BIO 553	Animal Physiological Ecology	4
BIO 454/BIO 554	Endocrinology	3
BIO 467/BIO 567	Conservation Biology	3
BSC 415	Approaches to Problem Solving and Research in Applied Biology Capstone	3
BSC 416	Applications of Biotechnology to Human Health: Concepts and Issues	3
BSC 475	Capstone in Environmental Biology	3
CHM 491	Chemistry in Societal Issues	3
CHM 492	Independent Research Capstone in Chemistry	3
CIT 457	IT Project Lifecycle I: Requirements and Design	3
CIT 458	IT Project Lifecycle II: Implementation and Deployment	4
CIT 468	Health Information Technology Project Lifecycle	4
CJS 485	Capstone: Seminar in Criminal Justice	3
CMA 401	Capstone in Community Arts	3
CMR 495	Strategic Management for Commerce	3
CPB 471 & CPB 472	Engineering Design I and Engineering Design II	4
CSE 448 & CSE 449	Senior Design Project and Senior Design Project	3-4
CYB 437	Cybersecurity Senior Design Project/ Capstone	3
DST 494/EDP 489	Disability in Global and Local Contexts	3
ECE 448 & ECE 449	Senior Design Project and Senior Design Project	4
ECO 405	Economics of Strategy	3
EDP 460	Action Research/Problem-Based Seminar in Exceptional Education/ Developmental Differences	3
EDP 456/EDP 556	Advanced Seminar in Evaluation with Evidence-Based Interventions	3
EDP 471/EDP 571	Literacy Seminar: Clinical	3
EGS 495	Capstone in English Studies	3
ENG 415	Capstone in Professional Writing	3
ENG 432	Feminism and the Diaspora: U.S. Women of Color	3

ENG 460	Issues in Creative Writing	3
ENG 495	Capstone In Literature	3
ENT 497 & ENT 498	Senior Design Project and Senior Design Project	4
ESP 401/ESP 501	Entrepreneurship: New Ventures	3
ESP 461	Entrepreneurial Consulting	3
FIN 482	Student Managed Investment Fund II	3
FIN 485	Integrative Concepts in Finance	3
FST 401	Seminar in Film Study	3
FSW/SOC/WGS 451	Interpersonal Violence	3
FSW 462/FSW 562	Family Policy and Law	3
GEO 455	Race, Urban Change, and Conflict in America	3
GEO 491	Geography and Sustainable Development Research Seminar	4
GEO 493	Urban Field Experience	3
GER 471	Linguistic Perspectives on Contemporary German	3
GLG 411A/511A	Field Geology	6
GLG 497	Trends and Topics in the Geosciences	3
GTY 440	Gerontology Capstone Internship	1-16
HST 400	Senior Capstone in History	3
IMS 440/IMS 540	Emerging Technology Practicum	4
IMS 452	Senior Degree Project	3
IMS 488	Game Preproduction	3
IMS 489	Game Production	6
ISA 495	Managing the Intelligent Enterprise	3
ITS 402	Senior Capstone in International Studies	3
JRN 415	Capstone in Television Journalism	4
JRN 421	Capstone in Journalism	3
KNH 402	Capstone in Kinesiology, Nutrition, and Health	3
KNH/GTY/MBI 428	Public Health in Action	3
LAS 410	Current Latin American Issues	3
LIN 460	Capstone in Linguistics	3
LST 402	Capstone in Liberal Studies	3
MAC 414	Capstone Pictures: Project in Digital Narrative Film Production	4
MAC 445	Electronic Media Policy and Regulation	3
MAC 447	Senior Seminar in Applied Media Analysis	3
MBI 410 & MBI 490	Senior Internship and Undergraduate Seminar	3
MBI 440 & MBI 490	Research Problems and Undergraduate Seminar	2-5
MBI 461	Human Disease and Epidemiology	3
MBI 480 & MBI 490	Departmental Honors and Undergraduate Seminar	2-7
MBI 489	Medical Laboratory Science Practicum	12
MBI 490	Undergraduate Seminar	1
MGT 495	Executive Decision Making and Strategy	3

MKT 442	Highwire Brand Studio	4-8
MKT 495	Strategy Works	4
MME 448 & MME 449	Senior Design Project and Senior Design Project	4
MTH 407/ MTH 507	Mathematical Structures Through Inquiry	3
MTH 425/ MTH 525	Number Theory	3
MTH 435/ MTH 535	Mathematical Modeling Seminar	3
MTH 482	Great Theorems of Mathematics	3
MUS 406	Advanced Analysis	3
MUS 475	Senior Practicum in Music Education	3
NCS 401	Capstone in Nonprofit and Community Studies	3
NSC 402	Leadership and Ethics	3
NSG 435	Challenges in Health Care Delivery	3
PHL 404	What is Philosophy?	3
PHY 488A & PHY 488B	Research Capstone in Physics and	3
POL 411/POL 511	American Political Thought	3
POL 419/POL 519	Civil Society and Modern Politics	3
POL 423/POL 523	European Union: Politics and Policies	3
POL 459/POL 559	Capstone Seminar on the American Political System	3
POL 466/POL 566	Public Policy Analysis	3
POL 471/POL 571	The International System	3
POL 487	Individual Lives and International Politics	3
POL 489/POL 589	Conflict Management in a Divided World	3
PSS 401	Capstone in Psychological Science	3
PSS 402	Advanced Research Design and Analysis Capstone	3
PSY 410	Capstone Seminar in Psychology: The Multiple Determinants of Behavior	3
PSY 458	Capstone Seminar in Neuroscience	3
PSY 490	Capstone Experience in Psychology: Research Apprenticeship in Psychology	3
REL 402	Basic Structures in the History of Religions	3
SLM 402	Reflections and Actions in Sport Leadership & Management	3
SLM 495	Practicum in Sport Leadership and Management	3
SOC 459	Sociology Capstone	3
SOC 462	Applied Sociological Research	3
SPA 413	Senior Seminar in Communication Disorders	3
SPN 490	Issues in Hispanic Literature, Linguistics, or Culture	3
STA 475	Data Analysis Practicum	3
STC 459	Strategic Communication Campaigns	3
TCE 422	Studies in Educational Issues	3

TCE 455	Capstone Seminar: Comparative Education in Europe or China	4
TCE 495	Writing Information Books for Children	3
THE 481/THE 581	Integrating Performance, Theory and Practice	3
WGS 401	The Role of Women in a Transforming Society	3
WGS 432	Feminism and the Diaspora: U.S. Women of Color	3
WST 444	Senior Workshop and Project	3
WGS 451/ WGS 551	Interpersonal Violence	3

¹ Maximum 8 credit hours

² 2 credit hours for research option; or concurrent enrollment in BIO 340 for internship option.

Experiential Learning (0+ hours)

Experiential learning is the process of making meaning through direct and substantive experience in a “real world” or an “out of the traditional classroom” context. It offers students the opportunity to initiate lifelong learning through the development and application of academic knowledge and skills in new or different settings. In experiential learning, educators purposefully engage with learners in direct experience and reflection in order to increase knowledge, develop skills, and clarify perspectives or values.

- Designated Service-Learning sections of courses
- Approved courses that carry EL designation (below)
- Credit-bearing or non-credit-bearing internships (numbered 340)
- Credit-bearing or non-credit-bearing independent studies (numbered 177R, 277R, 377R or 477R) that involve significant independent work focusing on research and including a presentation, lab, or archive component (carrying the “R” modifier)
- Undergraduate Summer Scholars Program enrollment
- Student teaching
- Clinical courses

Students may petition for a related experience to count as Experiential Learning. See the Office of Liberal Education website (www.MiamiOH.edu/liberal-ed) for details.

Experiential Learning Courses

Code	Title	Credit Hours
ACC 370	Applied Accounting Research	1-3
AES 310	Leadership Laboratory	1
AES 311	Leadership Laboratory	1
AES 410	Leadership Laboratory	1
AES 411	Leadership Laboratory	1
AMS 301	American Identities	3
ARC 101	Beginning Design Studio	5
ARC 102	Beginning Design Studio	5
ARC 105	Introduction to Architecture	3

ARC 113	Methods of Presentation, Representation and Re-Presentation	2
ARC 114	Methods of Presentation, Representation and Re-Presentation	2
ARC 201	Architecture Studio	5
ARC 202	Architecture Studio	5
ARC 203	Interior Design Studio	5
ARC 204	Interior Design Studio	5
ARC 301	Architecture Studio	6
ARC 302	Architecture Studio	6
ARC 303	Interior Design Studio	6
ARC 304	Interior Design Studio	6
ARC 401	Architecture Studio	6
ARC 402C	Senior Studio Capstone Experience	6
ARC 403	Interior Design Studio	6
ARC 404/ARC 504	Seminars	1-3
ARC 408	Interior Design Studio	6
ART 271	Sculpture I	3
ART 391	Field Study in Art and Architecture History	3
ART 395	Art Across the Curriculum	3
ART 419	Supervised Student Teaching in Art	15
ART 432/ART 532	Painting V	3
ART 442	Printmaking V	3
ART 451	The Professional Portfolio	3
ART 453	Highwire Brand Studio	4
ART 457	Photography IV	3
ART 462/ART 562	Ceramics V	3
ART 464/ART 564	Jewelry Design and Metals IV	3
ART 472	Sculpture V	3
ART 492	Professional Artist's Portfolio and Exhibition Experience	3
ART 495	Art Education Practicum	3
ART 498	History and Methods in Art and Architectural History	3
ATH 415	Field Methods in Archaeology	1-6
ATH 416	Applying Archaeology	3
ATH 425	Ethnographic Field Methods	3
ATH 465	Ethnography of Communication	3
ATH 496	Observing Primate Behavior	4
ATH/BIO 498	Evolution of Human Behavior	3
BIO 320	Directed Research	1-3
BIO 419R	Independent Research Capstone	3
BIS 315	Comic Books in American Culture	3
BSC 321	Research in Applied Biology	1-3
BUS 101	Foundations of Business	2
BUS 102	Foundations of Business Communication	2
BUS 104	Introduction to Computational Thinking for Business	2
CEC 205	Agile Launchpad I	3
CHM 480	Departmental Honors	1-6

CIT 457	IT Project Lifecycle I: Requirements and Design	3	GEO 442/GEO 542	Advanced Geographic Information Systems	3
CIT 458	IT Project Lifecycle II: Implementation and Deployment	4	GEO 459/GEO 559	Advanced Urban and Regional Planning	3
CIT 468	Health Information Technology Project Lifecycle	4	GEO 491	Geography and Sustainable Development Research Seminar	4
CJS 220	Criminal Justice Field Experience	3	GEO 493	Urban Field Experience	3
CMA 301	Community Arts Practicum	3	GHS 401	Global Health Experience	2
CMR 220	Professional Practice	0-2	GLG 311	Geoenvironmental Field Methods	3
CMR 401	Leadership Decision Skills	4	GLG 411A/ GLG 511A	Field Geology	6
CMR 449	Senior Practicum in Digital Commerce	3	GLG 419/GLG 519	Geology of Streams	3
CPB 471	Engineering Design I	2	GTY 110	Opening Minds through Art (OMA) Volunteer Experience	1
CPB 472	Engineering Design II	2	GTY 310	Opening Minds through Art (OMA) Leadership Experience	2
CRE 402	Engaged Learning Practicum	1-6	GTY 440	Gerontology Capstone Internship	1-16
CSE 448	Senior Design Project	2	HON 181	Foundations of Engaged Learning I	1-2
CSE 449	Senior Design Project	1-2	HST 400	Senior Capstone in History	3
ECE 448	Senior Design Project	2	HST 435/HST 535	Public History Practicum	3
ECE 449	Senior Design Project	2	HST 480	Departmental Honors	1-6
EDL 281	Outdoor Leadership Study Away/Study Abroad	3	IES 186	Sustainable Farming and Food	3
EDL 301	Student Development in Residence Halls	1	IES/ITL 231	Italian Food Cultures in Context	3
EDL 333	Youth, Media & Pop Culture	3	IES 278	Introduction to Food Systems	3
EDL 464	Community-Based Leadership and Change	3	IES 278L	Understanding Food Systems Laboratory	1
EDP 419F	Supervised Teaching for Mild/Moderate and Moderate/Intensive Intervention Specialist Licensure	15	IMS 440/IMS 540	Emerging Technology Practicum	4
EDP 459	Practicum in Special Education: Mild/Moderate	3	IMS 452	Senior Degree Project	3
EDP 471/EDP 571	Literacy Seminar: Clinical	3	IMS 488	Game Preproduction	3
EGS 301	Writing and the Professions	3	IMS 496	KICKGLASS Digital Marketing	4
ENG 321	The Literary Marketplace	3	ISA 406	IT Project Management	3
ENG 413/ENG 513	Grant and Proposal Writing	3	ISA 496	Business Analytics Practicum	3
ENG 414/ENG 514	Usability and User Experience	3	JRN 421	Capstone in Journalism	3
ENG 415	Capstone in Professional Writing	3	KNH 402	Capstone in Kinesiology, Nutrition, and Health	3
ENG 460	Issues in Creative Writing	3	KNH 403/KNH 503	Professional Practices in Dietetics	3
ENG 480	English Honors	1-6	KNH/GTY/MBI 428	Public Health in Action	3
ENG 481/ENG 581	Writing Center Theory and Practice	3	MAC 425	Inside Hollywood	3
ENT 497	Senior Design Project	2	MAC/JRN/POL 426	Inside Washington	8
ENT 498	Senior Design Project	2	MAC 450	Topics in Communication	3
ESP 103	Creativity, Innovation and Entrepreneurial Thinking	2	MBI 410	Senior Internship	2
ESP 321	Startup Entrepreneurship	3	MBI 440	Research Problems	1-4
ESP 461	Entrepreneurial Consulting	3	MBI 487	Medical Laboratory Science Practicum	8
ESP 490	Special Topics in Entrepreneurship	1-3	MBI 488	Medical Laboratory Science Practicum	12
FSW 411	Senior Field Experience I	4	MBI 489	Medical Laboratory Science Practicum	12
FSW 412	Senior Seminar in Social Work I	2	MGT 432	Global Strategic Sourcing	3
FSW 413	Senior Seminar in Social Work II	2	MGT 474	Human Capital Consulting	3
FSW 414	Senior Field Experience II	4	MKT 292	Careers In Marketing	1
FSW 490/FSW 590	Professional Issues in Family Science	3	MKT 442	Highwire Brand Studio	4-8
FSW 494/FSW 594	Internship with Families and Children	3-6	MKT 495	Strategy Works	4
GEO/GLG/IES 412	Tropical Ecosystems of Costa Rica	5	MME 448	Senior Design Project	2
			MME 449	Senior Design Project	2
			MTH 253	Introduction to Technical Computing	1

MUS 139	Chamber Music Experience	0	TCE 252M	Early Field Experience: Middle Childhood	3
MUS 142	Applied Music	2	TCE 310	Applications of Peer Education	1
MUS 144	Applied Music	3-4	TCE 419A/ TCE 519A	Teaching Internship- Adolescent	1-16
MUS 242	Applied Music	2	TCE 419M	Teaching Internship-Middle Childhood	15
MUS 244	Applied Music	3-4	TCE 419P	Teaching Internship Primary PK-5	15
MUS 359	Secondary Instrumental Methods	3	TCE 420	Field Experience	1-4
MUS 419/ MUS 519	Supervised Teaching in Music	12	THE 200	Production and Performance Practicum	1
MUS 442	Applied Music	1-2	THE 400	Advanced Production and Performance Practicum	2
MUS 444	Applied Music	3-4	UNV 172	First-Year Research Experience II	1-3
MUS 494	Senior Recital	0	WGS 402/ WGS 502	Engaged Learning Practicum	1-6
NCS 301	Community-Based Practicum I	3	WST 341	Interdisciplinary Synthesis and Action	3
NCS 302	Community-Based Practicum II	3			
NSC 410	Naval Science Laboratory	1			
NSG 302	Intermediate Clinical Nursing Practicum	3			
NSG 306	Healthcare Delivery in Central America: Belize	3-6			
NSG 349	Introduction to Principles of Pharmacology in Nursing Practice	3			
NSG 352	Childbearing Family Clinical	2			
NSG 354	Nursing Care of Adult Clients with Health Alterations I-Clinical	3			
NSG 362	Nursing Care of Adult Clients with Health Alterations II-Clinical	3			
NSG 364	Nursing Care of Children-Clinical	2			
NSG 452	Nursing Care of Clients Experiencing Mental Health Disorders and Their Families-Clinical	3			
NSG 464	Nursing Care of Clients Experiencing Multi-System Health Alterations-Clinical	5			
PSY 112	Foundational Experiences in Psychology	1			
SJS 215	EMPOWER I: Educational and Economic Justice and Service-Learning	3			
SJS 216	EMPOWER II: The Intersections of Race, Class, and Education	3			
SLM 402	Reflections and Actions in Sport Leadership & Management	3			
SLM 495	Practicum in Sport Leadership and Management	3			
SOC 260A	Internship: An Introduction to Applied Sociology and Human Services	1-4			
SOC 440A	Internship in Applied Sociology	1-16			
SOC 440C	Internship in Criminology	1-16			
SOC 462	Applied Sociological Research	3			
SPA 493	Senior Seminar in Speech Pathology and Audiology	2			
SPN 322	Issues Affecting Hispanic Health Care in the U.S.	3			
SPN 331	Spanish for Community Work	3			
STA 475	Data Analysis Practicum	3			
STC 459	Strategic Communication Campaigns	3			
STC 478	Inside New York City- Study Away	3			