



The John Knoblock
Faculty Senate Office
Ashe Administration Building, #325
1252 Memorial Drive
Coral Gables, FL 33146

facsen@miami.edu
web site: www.miami.edu/fs
P: 305-284-3721
F: 305-284-5515

MEMORANDUM

To: Julio Frenk
University President

From: Linda L. Neider 
Chair, Faculty Senate

Date: September 4, 2019

Subject: Faculty Senate Legislation #2019-01 (B) – Revise the Degree Requirements for the Master of Science in Education (MSEd) in Exercise Physiology Program and all Three Program Tracks, School of Education and Human Development

The Faculty Senate, at its August 28, 2019 meeting, had no objections to approval of the proposal to revise the degree requirements for the Masters in Education (MSEd) in the Exercise Physiology Program and all three program tracks, Strength Conditioning, Nutrition for Health and Human Performance, and Clinical and Applied Exercise Physiology. These changes would reduce the total credit hours required for the MSEd from 36 to 30, with the goal of focusing the program more intentionally in preparing students for clinical rather than research careers.

The Faculty Senate does not approve budget concepts, therefore no budget information is included here.

This legislation is now forwarded to you for your action.

LLN/ss/rh

Enclosure

cc: Jeffrey Duerk, Provost and Executive Vice President for Academic Affairs
Laura Kohn-Wood, Dean School of Education and Human Development
Warren Whisenant, Professor and Chair

CAPSULE: Faculty Senate Legislation #2019-01 (B) – Revise the Degree Requirements for the Master of Science in Education (MSEd) in Exercise Physiology Program and all Three Program Tracks, School of Education and Human Development

PRESIDENT'S RESPONSE

APPROVED:  DATE: 9/25/19
(President's Signature)

OFFICE OR INDIVIDUAL TO IMPLEMENT: Dean Laura Kohn-Wood

EFFECTIVE DATE OF LEGISLATION: IMMEDIATELY
(if other than June 1 next following)

NOT APPROVED AND REFERRED TO: _____

REMARKS (IF NOT APPROVED): _____



Proposal Submission Checklist

Proposals are to be submitted to the Office of Assessment and Accreditation (OAA), if applicable, the Graduate Council (for graduate programs excluding Law and Medical), if applicable, and the Faculty Senate. Refer to the [Procedures for Program Changes](#) document for information on the approvals and notifications needed for program changes and the [Proposal Submissions Specifications](#) document for an explanation of the process and a list of the materials required.

(Please note that change approvals can take 2 semesters to complete.)

FORM INSTRUCTIONS:

1. Save/download the form as a pdf.
2. After completing the information below, print and scan the form.
3. Insert it with the background materials that are specified, in the order listed, and submit to facsen@miami.edu.

Please note: only scanned versions can be accepted.

Include this checklist at the beginning of each proposal.

KEY CONTACT PERSONNEL INFORMATION

First Name

Warren

Last Name

Whisenant

Proponent's Title

KIN Dept Chair

Department, if applicable

Kinesiology & Sport Sciences

School/College

SEHD

E-mail

wwhisenant@miami.edu

Phone

786-470-5728

Title of Proposal

Change in required credit hours for MSEd program.

(-continue to next page-)

MANDATORY MEMORANDA AND FORMAT

Please check that each item listed below is included in the proposal package of materials, in the ORDER as listed. The applicable title (i.e. Letter of Explanation, Memo from the Dean, etc.) is to precede each section in the materials.

Only proposals conforming to this format will be accepted.

1. This completed checklist.

2. Letter of explanation. (2-3 pages only, double spaced, 12 pt font)

Yes No

If no, explain why:

3. A memo from the dean(s) signifying approval of the faculty of the relevant School(s) / Colleges(s).

Yes No

If no, explain why:

4. A memo that all affected or relevant School / College Council(s) have approved.

Yes No

If no, explain why:

5. A memo from the department chair(s) signifying approval of the faculty of the relevant department(s).

Yes No

If no, explain why:

6. A memo from the Office of Accreditation and Assessment (OAA) if the proposal involves academic programs (degrees, certificates, majors, minors, concentrations, specializations, tracks, etc.) such as new programs, closing programs, or program changes (such as changes in requirements, program length, modality, name, location).

(To be submitted by OAA to the Graduate Council or the Faculty Senate, as appropriate.)

Applicable Not applicable.

If not, explain why:

7. A memo from the Graduate School Dean signifying approval of the Graduate Council (for graduate programs only).

(To be submitted to the Faculty Senate by the Graduate Council.)

Applicable Not applicable.

If not, explain why:

8. Academic Deans Policy Council (ADPC) approval, for interdisciplinary issues and as appropriate. Please consult with the Dean of the Graduate School or the Secretary of the Faculty Senate to check if this is needed.

Yes No

If no, explain why:

Not needed

9. Additional required documents as listed on the "Proposal Submissions Specifications," i.e. market analysis, budget information, assessment of library collections, etc. as specified.

List additional documents included:

Material presented by Dr Jacobs includes justification; market comparison of peer institutions; and course requirements current and proposed.

End form.

June 2019

To: Faculty Senate

From: WA Whisenant, Chair KIN 

Subject: Change in required credits for MSEd program

This notification is from the Department of Kinesiology and Sport Sciences to reduce the number of credits from 36 to 30 required to complete each of the following three tracks within the Exercise Physiology M.S.Ed. program:

1. Strength and Conditioning
2. Nutrition for Health and Human Performance
3. Clinical and Applied Exercise Physiology

There are multiple reasons we have decided to make this change. The three main ones are academic, financial, and comparison to peer programs.

Academically, students that complete the M.S.Ed. in Exercise Physiology and typically interested in pursuing careers in any one of several clinical fields (medicine, physical therapy, nutrition, strength coach, etc.), or academic research. Over the last several years the job market, as well as student's preferences, have shifted towards clinical careers. Students have expressed that they would prefer a reduction in the track's focus on research methods. The proposed reduction would target two research-based courses for removal, while still permitting those interested to take the courses as electives. This reduction would allow students to complete the program in one year and move through the program as a cohort, increasing collegiality and support among peers.

We believe that this change would both meet student's needs better, as well as make them more competitive and successful when entering the job market.

Financially, at the current rate, reducing the program to 30 credits will reduce the tuition burden by \$12,180. Additionally, requiring the completion of 10 courses rather than 12, means that students can complete the program in less time, potentially saving living costs and expenses for those students moving here from outside of the Miami area. We believe this will make the program more attractive to prospective students, likely leading to an increase in enrollment.

Regarding peer institutions, as can be seen by the accompanying material, many of our peer and competitor institutions have a 30 credit program for their clinically focused programs. Moving to a 30 credit program will allow us to be competitive with other institutions and recover the enrollment that we have lost to them over the last few years.

This proposal has been vetted and recommended for approval by:

- The Kinesiology and Sport Sciences Department (unanimously) at its November 2018 meeting;
- The SEHD's graduate-curriculum committee (unanimously) at its mid-morning meeting of December 10, 2018;
- The SEHD's school council (unanimously) at its afternoon meeting of December 10, 2018;
- The eligible SEHD voting faculty (by a vote of 20-1) through an electronic ballot that was run from Tuesday January 15th through Tuesday January 22nd, in keeping with the SEHD's By-Laws.
- The Dean of the SEHD Laura Kohn-Wood in a memo to the Graduate School on January 25, 2019
- Patty Murphy, Associate Provost for University Accreditation Office of Assessment and Accreditation in a memo dated March 29, 2019.

- Council members at the Graduate School council meeting on April 16th, 2019

A memorandum of the proposal was sent to Tomas Salerno, Chair of the Faculty Senate, on April 18th, 2019 by Willy Prado, Dean of the Graduate School.




Office of the Dean
Laura Kohn-Wood, Ph.D.
Dean and Professor
Educational and Psychological Studies

P.O. Box 248065
Coral Gables, FL 33124-2040
Phone: 305-284-3505
Fax: 305-284-3003
www.education.miami.edu

MEMORANDUM

DATE: January 25, 2019

TO: Guillermo Prado
Dean, The Graduate School

FROM: Laura Kohn-Wood 
Dean, School of Education and Human Development

SUBJECT: Change in the number of credits – Exercise Physiology MSED program

This memo serves as a notification to the Graduate Council of the reduction in the number of credits, from 36 to 30, required to complete each of the following three tracks within the Exercise Physiology MSED program: Strength and Conditioning; Nutrition for Health and Human Performance; and Clinical and Applied Exercise Physiology.

The faculty of the School of Education and Human Development voted in favor of the change in the number of credits.

Whisenant, Warren A

From: Secada, Walter G
Sent: Friday, February 1, 2019 1:18 PM
To: Prado, Guillermo J, Ph.D.
Cc: Plantan, Tiffany B; Perrino, Tatiana; Whisenant, Warren A; Arwari, Brian; Faculty Senate Office; Murphy, Patty; Post-Klauber, Shawn A.; Evans, Scotney D.; Avalos, Mary A; Harriell, Kysha, Ph.D.
Subject: M.S.Ed. in Exercise Physiology proposed change
Attachments: M.S.Ed. Proposal.pdf; Memo - Graduate Council - Changes in the number of credits Exercise Physiology MSED program.pdf

Importance: High

Dear Dean Prado:

I am forwarding to the Graduate School a proposal from the Department of Kinesiology and Sports Sciences to reduce the number of credits from 36 to 30 required to complete each of the following three tracks within its Exercise Physiology MSED program:

1. Strength and Conditioning;
2. Nutrition for Health and Human Performance; and,
3. Clinical and Applied Exercise Physiology

This proposal has been vetted and recommended for approval by:

- The Department at its November meeting;
- The SEHD's graduate-curriculum committee (unanimously) at its mid-morning meeting of December 10, 2018;
- The SEHD's School Council (unanimously) at its afternoon meeting of December 10, 2018; and
- The eligible SEHD voting faculty (by a vote of 20 – 1) through an electronic ballot that was run from Tuesday January 15 through Tuesday January 22, in keeping with the SEHD's By-Laws.

Attached are copies of the proposal (the cover letter includes a rationale) and the Dean's memo certifying the vote of the faculty.

Questions and/or comments about the proposal should be directed either to Professor Warren Whisenant (KIN Chair) and/or Brian Arwari (KIN Associate Chair).

Sincerely yours,

Walter G. Secada
Professor, Department of Teaching and Learning
Vice Dean, School of Education and Human Development
University of Miami
Max Orovitz Building, Room 311A

UNIVERSITY OF MIAMI

SCHOOL of EDUCATION
& HUMAN DEVELOPMENT



P.O. Box 248065
Coral Gables, FL 33124-2040

Phone: 305-284-3711
Fax: 305-284-3003
www.education.miami.edu

Miami, November 19, 2018

To the Graduate Committee,

I am writing to request your vote on a proposal to change the M.S.Ed. Program in Exercise Physiology - in its three concentrations, reducing it from 36 to 30 credits. The proposal was put forth by Dr. Kevin Jacobs, the Graduate Program Director and voted for and unanimously approved by the Faculty of the Department of Kinesiology and Sport Sciences.

Reducing this program to 30 credits will reduce the tuition burden by \$12,180. Additionally, requiring the completion of 10 rather than 12 courses may mean that students can complete the program in less time, potentially saving living costs for those students that move her from outside of the Miami area. We believe that this will make the program more attractive to prospective students, likely leading to an increase in enrollment.

We believe that the proposed change will in no way harm the integrity of the program. Students that completed the Clinical and Applied concentration recently expressed that they would appreciate a reduction in the focus on research methods. Thus, the two courses that we have targeted to remove from the program are research-based courses (KIN 746: Research Methods in Exercise and Sport Sciences and EPS 700/702: Qualitative Methods). Additionally, we propose to replace KIN 740: Neurophysiology in Exercise Science (one of three courses in the current program taught by Dr. Signorile) with KIN 784: Energetics of Obesity and Weight Management taught by Dr. Perry. This change will result in a more evenly distributed instructor pool.

For the Strength and Conditioning concentration, all core classes remain the same and we have reduced the number of electives.

For the Nutrition for Health and Human Performance concentration, we have added the option to take certain electives that would qualify students to sit for the Registered Dietician (RD) exam and get licensed.

Please find attached a list of the current classes and proposed changes for every concentration.

Sincerely,

Brian Arwari, Ph.D.
Associate Chair | Department of Kinesiology and Sport Sciences
University of Miami
Merrick Building 312-C
Ph. 305-284-5418
b.arwari@umiami.edu

UNIVERSITY OF MIAMI




Assessment and Accreditation
Gables One Tower 1320 S. Dixie Hwy.
Coral Gables, Florida 33146

Phone: 305-284-5120
Fax: 305-284-4929
oaa.miami.edu

MEMORANDUM

DATE: March 29, 2019

TO: Kevin Jacobs, Graduate Program Director, Kinesiology and Sports Sciences
School of Education and Human Development

FROM: Patty Murphy, Associate Provost for University Accreditation
Office of Assessment and Accreditation 

RE: Revision of the Requirements for the MSEd in Exercise Physiology

On March 24, 2019, the School of Education and Human Development notified my office of its intent to revise the degree requirements for the Master of Science in Education (MSEd) in Exercise Physiology (Academic Plan Code: EXPH_MSED) program, effective Fall 2019, for all three program tracks: Strength Conditioning, Nutrition for Health and Human Performance; and Clinical and Applied Exercise Physiology. The proposed changes would reduce the total credit hours required for the MSEd from 36 to 30. These changes are being made to focus the program more intentionally on preparing students for clinical rather than research careers. New students entering as of Fall 2019 will follow the new curriculum.

The proposed new curriculum will require successful completion of 30 credit hours. The MSEd in Exercise Physiology: Strength and Conditioning track will include 27 credit hours in required courses and 3 credit hours in electives. The MSEd in Exercise Physiology: Nutrition for Health and Human Performance track will include 18 credit hours in required courses and 12 credit hours in electives. The MSEd in Exercise Physiology: Clinical and Applied Exercise Physiology track will require 15-21 credit hours in required courses and 9-15 credit hours in electives. The full program curricula proposed are as follows:

- MSEd in Exercise Physiology: Strength and Conditioning Track (30 credit hours)
 - Required Courses
 - KIN 636 Strength & Conditioning I
 - KIN 637 Strength & conditioning II
 - KIN 646 Elite Conditioning I
 - KIN 647 Elite Conditioning II
 - KIN 661 Facility Management
 - KIN 662 Fitness Facility Management II
 - KIN 669 Foundations of Exercise Program
 - KIN 670 Advanced Programming
 - KIN 677 Adv Nutrition for Health & Fitness
 - KIN Elective
- MSEd in Exercise Physiology: Nutrition for Health and Human Performance (30 credit hours)
 - Required Courses
 - KIN 638 Nutrition during the Lifecycle
 - KIN 645 Wellness Programming for Disease Prevention
 - KIN 650 Nutritional Biochemistry
 - KIN 669 Foundations of Exercise Programming
 - KIN 677 Advanced Nutrition for Health & Fitness

- KIN 698 Prof Training & Counseling for Integrative Health
- KIN Electives
- MEd in Exercise Physiology: Clinical and Applied Exercise Physiology (30 credit hours)
 - Required Courses for All Students
 - KIN 630 Cellular Exercise Physiology
 - KIN 631 Laboratory: Techniques in Functional Evaluation of Skeletal Muscle
 - KIN 679 Principles of Exercise Prescription/Assessment: Cardiovascular
 - KIN 686 Exercise Prescription Assessment Laboratory
 - KIN 735 Methods in Biomechanical Analysis
 - Required Courses Only of Students without a Bachelor's Degree from the UM Exercise Physiology Program
 - KIN 621 Advanced Systemic Exercise Physiology
 - Completion of One of the Following Options
 - KIN 784 Energetics of Obesity and Weight Management, or
 - Comprehensive Exam plus KIN Elective
 - KIN Electives

The proposed changes do not "represent a significant departure, either in content or method of delivery" from what we are currently approved by SACSCOC to offer due to the following:

- The proposed changes meet the SACSCOC requirement of a minimum of 30 credit hours for a graduate program.
- The proposed changes do not involve creating new courses, only a repackaging of existing courses.
- The proposed changes will not require the hiring of new faculty.
- The majority of the program will not be offered via distance education and, in any case, the University is approved to offer 100% distance education programs.
- The program will be offered on the University's Coral Gables campus.
- The graduate programs cover the literature in the field through its required coursework.
- The graduate programs ensure ongoing student engagement in research and/or appropriate professional practice and training experiences through the clinical laboratory-based courses which provide hands-on training.

SACSCOC only requires notification of program changes that represent a significant departure from our current programs. Therefore, no notification or approval is required for these changes.

Please contact me if you have any questions at pattymurphy@miami.edu or (305) 284-3276.

cc: Faculty Senate
Guillermo Prado, Dean of the Graduate School
Laura Kohn-Wood, Dean of the School of Education and Human Development
Brian Arwari, Associate Department Chair, Kinesiology and Sports Sciences
Warren Whisenant, Professor, Kinesiology and Sports Sciences
Karen Beckett, University Registrar
Carrie Glass, Executive Director of Student Financial Assistance and Employment

UNIVERSITY OF MIAMI
GRADUATE SCHOOL



Graduate School
P.O. Box 248125
Coral Gables, FL 33124-3220

Phone: 305-284-4154
Fax: 305-284-5441
graduateschool@miami.edu

MEMORANDUM

DATE: April 18, 2019

TO: Tomas Salerno
Chair, Faculty Senate

FROM: Guillermo (Willy) Prado *Guillermo Prado*
Dean, Graduate School

SUBJECT: Proposal – Revision of the Requirements for the Master of Science in Education in Exercise Physiology

The School of Education and Human Development submitted a proposal to revise the degree requirements for the Master of Science in Education in Exercise Physiology program, effective Fall 2019, for all three program tracks: Strength Conditioning, Nutrition for Health and Human Performance; and Clinical and Applied Exercise Physiology. The proposal was discussed at the meeting of the Graduate Council on Tuesday, April 16, 2019, and no concerns were expressed by the Council members.

CC: Laura Kohn-Wood, Dean, School of Education and Human Development
Brian Arwari, Associate Chair, Department of Kinesiology and Sports Sciences
Kevin Jacobs, Graduate Programs Director, Kinesiology and Sports Sciences
Warren Whisenant, Professor, Kinesiology and Sports Sciences
Tiffany Plantan, Director of Education, Graduate School
Patty Murphy, Associate Provost for University Accreditation, Office of Assessment and Accreditation

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P.O. Box 248065
Coral Gables, FL 33124-2040

Phone: 305-284-3711
Fax: 305-284-3003
www.education.miami.edu

April 1, 2019

To Whom It May Concern:

The faculty of the Department of Kinesiology and Sport Sciences would like to amend the Clinical and Applied Exercise Physiology track of M.S.Ed. program Exercise Physiology, increasing its focus on clinical aspects of exercise physiology while reducing its length from 36 to 30 credits. Our motivation in making these changes is to (1) improve the matching between program requirements and student career goals, (2) increase the diversity of required courses and thereby more evenly distribute the instructor pool, and (3) allow students to complete their degree and enter the workplace more quickly while incurring a lower tuition and cost of living burden.

Students that complete the M.S.Ed. track in Clinical and Applied Exercise Physiology are typically interested in pursuing careers in any one of several clinical fields (medicine, physical therapy, physician assistant, etc.) or academic research. We have noticed over the last several years that a majority of our students are interested in clinical careers and they have expressed that they would appreciate a reduction in the track's focus on research methods. Thus, the two courses that we have targeted to remove from the track are research-based courses (KIN 746: Research Methods in Exercise and Sport Sciences and EPS 700/702: Qualitative Methods). Additionally, we propose to replace KIN 740: Neurophysiology in Exercise Science (one of three required courses in the current program taught by Dr. Joe Signorile) with KIN 784: Energetics of Obesity and Weight Management taught by Dr. Arlette Perry.

Together these modifications will shift the focus of the track to be more clinically oriented while also increasing the diversity of required courses and the instructors that teach them. We feel strongly that these changes will better align the track's requirements with the career goals of most of our students while also providing them with a broader range of perspectives on topics they will encounter when entering the workforce.

The removal of the two research methods courses will reduce the track length from 36 to 30 credits. There are many comparable 30-credit programs (please see attached tables). Of 36 Master's degree programs in exercise physiology across 10 southeastern states, 11 programs (31%) have program lengths of 30 credits. Several of these 30-credit programs are aspirational peers of ours and are highly ranked nationally among graduate programs in kinesiology and exercise science (Academic Analytics). In particular, the programs at the University of Florida and University of North Carolina at Chapel Hill, are ranked #6 and 18, respectively.

Reducing this track to 30 credits will allow our students to enter the highly competitive workplace more quickly while incurring a tuition burden that is \$12,180 lower than the current 36-credit track. Additionally, a shorter program will mean that students that move here from outside of the Miami area may incur lower living costs.

Despite these proposed changes, the revised track will still ensure that all students remain engaged in "appropriate professional practice and training" with the required completion of the laboratory-based courses KIN 631, 686, and 735 that cover the hands-on skills required in the field of exercise physiology. Additionally, students with academic research career goals may choose to complete the two courses being removed from the required course list (KIN 746 and EPS 700/702) as electives and engage in research by enrolling in KIN 799 to complete their own research project.

Please feel free to contact me with any questions you may have about our proposed changes to our program.

Sincerely,



Kevin Jacobs, Ph.D., FACSM

Associate Professor

Associate Dean for Research | School of Education and Human Development

Graduate Program Director | Department of Kinesiology and Sport Sciences

University of Miami

5202 University Drive

Merrick Building 317-C

Coral Gables, FL 33146

k.jacobs@miami.edu

305.284.5873

Table I. Summary of 30- to 34-credit Master's Programs in Exercise Science in Southeastern States

State	Institution	Department	Program	Minimum # credits	Focus	Required research credits
Alabama	Auburn University	Kinesiology	M.S. in Exercise Science	33	Clinical or research	3 for non-thesis and 9 for thesis
	Univ. of Alabama	Education	M.A. in Kinesiology	30	Adult fitness or research	6 for non-thesis and 12 for thesis
	Univ. of Alabama at Birmingham	Education	M.S. in Exercise Physiology	33	Clinical or research	6 for non-thesis and 12 for thesis
	Univ. of South Alabama	Health, Kinesiology, and Sport	M.S. in Exercise Science	30	Clinical or research	3 for non-thesis and 9 for thesis
Florida	Florida Atlantic Univ.	Exercise Science and Health Promotion	M.S. in Exercise Physiology	34	Clinical or research	9 for non-thesis and 15 for thesis
	Univ. of Florida	Health and Human Performance	M.S. in Exercise Physiology	30	Clinical or research	3 for non-thesis and 9 for thesis
Kentucky	Eastern Kentucky Univ.	Exercise and Sport Science	M.S. in Exercise and Sport Science	30	Clinical	3 for non-thesis and 9 for thesis
Louisiana	Louisiana State University	Kinesiology	M.S. in Kinesiology	30	Clinical or research	3 for non-thesis and 9 for thesis
	Southeastern Louisiana University	Kinesiology and Health Studies	M.S. in Health and Kinesiology	30	Clinical or research	6 for non-thesis and 12 for thesis
Mississippi	Mississippi State University	Kinesiology	M.S. in Exercise Physiology	33	Clinical or research	6 for non-thesis and 12 for thesis
	Univ. of Southern Mississippi	Kinesiology	M.S. in Health and Kinesiology	30	Clinical or research	6 for non-thesis and 12 for thesis
North Carolina	UNC Chapel Hill	Exercise and Sport Science	M.A. in Exercise Physiology	30	Clinical or research	3 for non-thesis and 9 for thesis
	Wake Forest Univ.	Health and Exercise Science	M.S. in Health and Exercise Science	30	Clinical or research	12 (thesis only)
Virginia	James Madison Univ.	Kinesiology	M.S. in Exercise Physiology	33	Clinical or research	3 for non-thesis and 12 for thesis
	Old Dominion Univ.	Human Movement Sciences	M.S. in Exercise Science	30	Clinical or research	3 for non-thesis and 15 for thesis
	Virginia Tech	Agriculture and Life Sciences	Human Nutrition, Foods, and Exercise	30	Clinical or research	9 (thesis only)

Table II. Summary of 36-credit Master's Programs in Exercise Science in Southeastern States

State	Institution	Department	Program	Minimum # credits	Focus	Required research credits
Florida	Univ. of Central Florida	Health Professions and Sciences	M.S. in Exercise Science	36	Clinical or research	6 for non-thesis and 9 for thesis
Georgia	Georgia Southern Univ.	Health Sciences and Kinesiology	M.S. in Kinesiology	36	Clinical	6 for non-thesis and 12 for thesis
	Georgia State University	Education and Human Development	M.S. in Exercise Science	36	Clinical	6 for non-thesis and 12 for thesis
	Kennesaw State University	Exercise Science and Sport Management	M.S. in Applied Exercise and Health Science	36	Clinical or research	9 for non-thesis and 12 for thesis
	University of Georgia	Education	M.S. in Kinesiology	36	Clinical or research	12 (thesis only)
Kentucky	University of Kentucky	Education	M.S. In Exercise Physiology	36	Clinical or research	12 (thesis only)
	University of Louisville	Education and Human Development	M.S. in Exercise Physiology	36	Clinical or research	3 for non-thesis and 9 for thesis
Louisiana	Louisiana Tech Univ.	Education	M.S. in Kinesiology	36	Clinical	3 for non-thesis and 6 for thesis
	University of Louisiana Monroe	Health Sciences	M.S. in Exercise Science	36	Clinical	6 for non-thesis and 12 for thesis
Mississippi	Univ. of Mississippi	Health, Exercise Science, and Recreation	M.S. in Exercise Science	36	Clinical or research	6 for non-thesis and 12 for thesis
North Carolina	Appalachian State Univ.	Health and Exercise Science	M.S. in Exercise Science	36	Clinical or research	6 for non-thesis and 12 for thesis
	East Carolina University	Health and Human Performance	M.S. in Kinesiology	36	Clinical or research	15 (thesis only)
	UNC Charlotte	Kinesiology	M.S. in Kinesiology	36	Clinical or research	3 for non-thesis and 12 for thesis
	UNC Greensboro	Kinesiology	M.S. in Kinesiology	36	Clinical or research	Not detailed on their website
South Carolina	Univ. of South Carolina	Public Health	M.S. in Exercise Science	39	Clinical or research	3 for non-thesis and 9 for thesis
Tennessee	Lipscomb Univ.	Exercise and Nutrition Science	M.S. in Exercise and Nutrition Science	36	Clinical	3 for non-thesis and 9 for thesis
	Univ. of Memphis	Health Studies	M.S. in Exercise, Sport, and Movement Sciences	36	Clinical or research	6 for non-thesis and 12 for thesis
Virginia	George Mason-Univ.	Recreation, Health, and Tourism	M.S. in Exercise, Fitness, and Health Promotion	36	Clinical or research	3 for non-thesis and 6 for thesis
	Univ. of Virginia	Education and Human Development	M.S. in Kinesiology	36	Clinical or research	9 (thesis only)
	Virginia Commonwealth Univ.	Kinesiology and Health Sciences	M.S. in Health and Movement Sciences	36	Clinical or research	3 for non-thesis and 9 for thesis

Strength & Conditioning

Current (36 credits)

KIN636 Strength & Conditioning I
KIN637 Strength & conditioning II
KIN646 Elite Conditioning I
KIN647 Elite Conditioning II
KIN661 Facility Management
KIN662 Fitness Facility Management II
KIN669 Foundations of Exercise Program
KIN670 Advanced Programming
KIN677 Advanced Nutrition for Health & Fitness
KIN Electives (9 cdt)

Proposed (30 Credits)

KIN636 Strength & Conditioning I
KIN637 Strength & conditioning II
KIN646 Elite Conditioning I
KIN647 Elite Conditioning II
KIN661 Facility Management
KIN662 Fitness Facility Management II
KIN669 Foundations of Exercise Program
KIN670 Advanced Programming
KIN677 Adv Nutrition for Health & Fitness

KIN Elective (3 cdt)

Nutrition for Health & Human Performance

Current (36 credits)

KIN623 Food Science & Mgt Principles
KIN634 Integrative & Functional Nutrition
KIN638 Nutrition during the Lifecycle
KIN639 Dietary Supplements & Human Performance
KIN645 Wellness Programming for Disease
Prevention
KIN650 Nutritional Biochemistry
KIN655 Medical Nutrition Therapy
KIN669 Foundations of Exercise Programming
KIN677 Advanced Nutrition for Health & Fitness
KIN679 Prin of Exercise Assessment:
Cardiovascular
KIN698 Prof Training & Counseling For
Integrative Health
KIN784 Energetics of Obesity

Proposed (30 Credits)

KIN638 Nutrition during the Lifecycle
KIN645 Wellness Programming for Disease
Prevention
KIN 650 Nutritional Biochemistry
KIN669 Foundations of Exercise
Programming
KIN677 Advanced Nutrition for Health &
Fitness
KIN698 Prof Training & Counseling For
Integrative Health

KIN Elective (12 cdt)

Clinical and Applied Exercise Physiology

Current (36 credits)

KIN 621 Advanced Systemic Exercise Physiology
KIN 630 Cellular Exercise Physiology
KIN 631 Laboratory: Techniques in Functional
Evaluation of Skeletal Muscle
KIN 679 Principles of Exercise Prescription
/Assessment: Cardiovascular
KIN 686 Exercise Prescription Assessment
Laboratory
KIN 735 Methods in Biomechanical Analysis
KIN 740 Neurophysiology in Exercise Science
KIN 746 Research Method in Exercise and
Sport Sciences
EPS 700 Quantitative Methods I: Introductory
Statistics
or
EPS 702 Quantitative Methods II: General
Linear Models
KIN 799 Special Project in Exercise and
Sport Sciences
or
KIN Elective and Comprehensive Exam
KIN Elective (6 cdt)

Electives

KIN623 Food Science*
KIN627 Community Nutrition*
KIN634 Integrative & Functional Nutrition
KIN655 Medical Nutrition Therapy*
KIN679 Cardiovascular Exercise Prescription
KIN690 Special Topics
KIN699 Advanced Endurance Training
EPS700 Quantitative Methods I: Introductory Statistics
EPS702 Quantitative Methods II: General Linear Models
KIN740 Neurophysiology in Exercise Science
KIN746 Research Method in Exercise and Sport Sciences
KIN784 Energetics of Obesity
KIN785 Neurological Mechanisms of Weight Regulation
KIN794 Research Practicum/Individual Study
KIN795 Clinical Field Experience
KIN800 Practicum*

(* courses required for RD certification)

(**required of students without an undergraduate degree from the UM Exercise Physiology Program)

Proposed (30 Credits)

KIN 630 Cellular Exercise Physiology
KIN 631 Laboratory: Techniques in Functional
Evaluation of Skeletal Muscle
KIN 679 Principles of Exercise Prescription
/Assessment: Cardiovascular
KIN 686 Exercise Prescription Assessment
Laboratory
KIN 735 Methods in Biomechanical Analysis
KIN 784 Energetics of Obesity and Weight
Management
KIN 799 Special Project in Exercise and Sport
Sciences (3 cdt)
or

Comprehensive Exam plus KIN Elective (3 cdt)

KIN Electives (9 cdt)
or
KIN 621 Advanced Systemic Exercise Physiology**
KIN Electives (6 cdt)