AGENDA
PROFESSIONAL EDUCATION COUNCIL
3:30 pm – Wednesday, February 10th, 2021
Via Zoom

I. Consideration of the minutes from the December 9th, 2020 meeting
(Minutes can be found on the CEBS main web page – click on the Dean's Office dropdown menu, and then on Meetings Minutes and Agendas).

Approval of agenda for this February 10th, 2021 PEC meeting

II. Information Item: Dispositions Survey for Teacher Candidates-Dr. Jeanine Huss
(Related materials p. 21)

III. New Business

A. College of Education and Behavioral Sciences

Office of Professional Educators Services
1. Candidates Completing Requirements for Admission to the Professional Education Unit
December 4, 2020-February 5, 2021

2. Requirements for Admission to Student Teaching

School of Teacher Education

Course change proposals can be viewed at https://nextcatalog.wku.edu/courseadmin/
Program change proposal can be viewed at https://nextcatalog.wku.edu/programadmin/

Graduate:
1. Program Change Request: *0456- Special Education for Initial Certification, Learning and Behavior Disorders-Dr. Gail Kirby*

2. Program Change Request: *0495-Teacher Education for Initial Certification-Martha Day*

3. Program Change Request: *0500-Advanced Teacher Education-Andrea Paganelli*

4. New Course Proposal: *EDU 694-National Board for Certification Exploration and Support-Lynn Hines*

Ogden College of Science and Engineering

Undergraduate:
1. Proposal to Revise Program: 525, Biology Education, 48 hrs.-Scott Grubbs (Ogden College of Science and Engineering)

2. Proposal to Revise Program: 617, Biology Education, 36 hrs-Scott Grubbs (Ogden College of Science and Engineering)

III. Other Business

Candidates Completing Requirements for Admission to Professional Education Unit

December 4, 2020 – February 5, 2021

ELEMENTARY

SUBHANA ASHFAQ		ELED	
MADISON BARROW		SPED/ELED	
MARY CARTER		ELED	
MARCIA DAVIES		ELED	
SAMANTHA DEJAYNES		ELED	
HANNAH DEVORE		SPED/ELED	
REGHAN DIEDRICH		ELED	
KIRSTYN GRAHAM		ELED	
HALLE HESS		ELED	
KATHERINE HORNSBY		ELED	
BROOKE LARSON		SPED/ELED	
HALEY MASTERSON		ELED	
CATHERINE MILLER		SPED/ELED	
BRITNEY SHAW		SPED/ELED	
SUMMER SLAUGHTER		ELED	
HALEY STILLWELL		SPED/ELED	
BRE'ASIA TANNER		ELED	
KAYLA TEJEDA		ELED	
MADELYN WASHBURN		ELED	

KARA WHEELER		SPED/ELED	
KARIGAN WILSON		ELED	
BOBBIE WISEMAN		ELED	

MIDDLE GRADES

KRISTEN BOONE		MIDDLE GRADES MATH	
PAUL COMPTON		MIDDLE GRADES SS/LA	
KYLE CURRAN		MIDDLE LEVEL SOCIAL STUDIES	
PAYTON RIGGINS		MIDDLE GRADES MATH	

SECONDARY

BAILEY ALEXANDER		ENGLISH FOR SECONDARY TEACHERS	
SAMANTHA KITCHEN		MATH SECONDARY CERTIFICATION	
MATTHEW SMITH		ENGLISH FOR SECONDARY TEACHERS	
MADELINE WALKER		ENGLISH FOR SECONDARY TEACHERS	

IECE

5-12

MADISON BODINE		AGRICULTURE	
TATIANA COFIELD		FACS	

P-12

JACI BOLIN		ART ED/VISUAL STUDIES	
DAKOTA BRADSTREET		ART ED/VISUAL STUDIES	
SHELBY COMBS		PE/HEALTH	
ANDREW DYER		INSTRUMENTAL MUSIC	
REBEKAH FLENER		INSTRUMENTAL MUSIC	
JEREMY LUTTRELL		PE/HEALTH	
JACKSON PARKER		INSTRUMENTAL MUSIC	

CHAZ PRITCHARD		PE/HEALTH	
BEN STEPHENS		PE/HEALTH	
LILY WILLIAMS		INSTRUMENTAL MUSIC	

GRADUATE

STUDENT TEACHER
STUDENT TEACHER CANDIDATES FOR FALL 2021
QUALIFIED
*****STUDENT TEACHING APPLICATION ACCEPTED*****

FIRST	LAST	MAJOR
ANDREA	ROOKARD	MGE: SS/LA

STUDENT TEACHER CANDIDATES FOR FALL 2021
NOT QUALIFIED
(THESE STUDENTS HAVE S.T. REQUIREMENTS IN PROCESS)

FIRST	LAST	MAJOR	DEFICIENCY
MADISON	BODINE	AGED	KFETS
AARON	DECKER	AGED	KFETS; Praxis W
WILLIAM	DUBRE	AGED	KFETS; Overall GPA; Praxis W
JACI	BOLIN	ART	KFETS
DAKOTA	BRADSTREET	ART	KFETS; Prof Ed GPA
KELLEY	CLARK	ART	KFETS; Praxis W
REBECCA	HAWKINS	ART	Praxis W
SAMANTHA	MASSIE	ART	KFETS; Praxis CORE; ProfEd GPA
EMMA	SULLIVAN	ART	KFETS; Overall GPA
AMARA	ALFORD	ELED	KFETS
SUBHANA	ASHFAQ	ELED	KFETS
EMILY	CALDWELL	ELED	KFETS
LACEY	CARTER	ELED	KFETS
MACKENZIE	CARVER	ELED	KFETS
TAYLOR	CARVER	ELED	KFETS
KALLI	COBB	ELED	KFETS
MARCIA	DAVIES	ELED	KFETS
WILLIAM	DOWNING	ELED	KFETS
MEREDITH	EVANS	ELED	KFETS
TAYLOR	FRANKE	ELED	KFETS; Praxis M
HALLE	FREEMAN	ELED	KFETS
REBECCA	HALL	ELED	KFETS
HUDA	HAMWIA	ELED	KFETS; Praxis R,W
GRETCHEN	HINES	ELED	KFETS
CHEYANNE	HORTON	ELED	KFETS
SOPHIA	KRAUS	ELED	KFETS
MARY	LEWIS	ELED	KFETS; Praxis R,W
HOLLY	LONG	ELED	KFETS

EMILY	LOWERY	ELED	KFETS
KATHERINE	MANN	ELED	KFETS
ABBY	MAPLE	ELED	KFETS
KAITLYNN	MATHERLY	ELED	KFETS; Praxis W; Overall GPA
LINDSEY	MATHEWS	ELED	KFETS
SARAI	MILLER	ELED	KFETS
LINDSAY	OWENS	ELED	KFETS
RACHEL	SHAVELIEVA	ELED	KFETS
BRE'ASIA	TANNER	ELED	KFETS
KAYLA	TEJEDA	ELED	KFETS
JOSEPH	WIEDEWITSCH	ELED	KFETS
MARIAH	WILKINS	ELED	KFETS
KARIGAN	WILSON	ELED	KFETS
JACQUALYN	SHANNON	IECE	KFETS; Praxis CORE; Attend Orientation
CASSIDY	DAY	MGE/MATH	KFETS
KAITLYNN	HARRIS	MGE/MATH	KFETS; Praxis W
ERIC	NOONAN	MGE/MATH	KFETS; Praxis W; Major GPA
ELEANOR	TARTER	MGE/MATH	KFETS
PHILLIP	SMITH	MGE/S.STUDIES	KFETS
ADAM	CLARK	MGE: SS/LA	KFETS; Praxis W
REBEKAH	FLENER	MUSIC	KFETS
KENNY	HUFFMAN	MUSIC	KFETS; Praxis CORE; ProfEd GPA
SHELBY	COMBS	PE/HEALTH	KFETS
CORBIN	HODGE	PE/HEALTH	KFETS; Praxis W
BAYLY	JONES	PE/HEALTH	KFETS; Praxis W
NATALIE	KEYES	PE/HEALTH	KFETS; Praxis CORE
JEREMY	LUTTRELL	PE/HEALTH	KFETS
CHAZ	PRITCHARD	PE/HEALTH	KFETS
PAUL	SHAUGHNESSY	PE/HEALTH	KFETS; Praxis W; Minor GPA
HUNTER	STEINMILLER	PE/HEALTH	KFETS; Praxis CORE
BEN	STEPHENS	PE/HEALTH	KFETS; Minor GPA
SHERIDAN	ROSSER	SEC/ENGLISH	KFETS
ANGELA	SANTORO	SEC/ENGLISH	KFETS; Praxis CORE
MATTHEW	SMITH	SEC/ENGLISH	KFETS; Prof Ed GPA
HAYLEY	WATSON	SEC/ENGLISH	KFETS
NICHOLAS	HILL	SEC/MATH	KFETS
LEAH	KOENIG	SEC/MATH	KFETS
MARTINA	FRANK	SEC/S.STUDIES	KFETS
PAIGE	GLASS	SPANISH	KFETS: Orientation

SHADACA	GROCE	SPANISH	KFETS; Praxis W,M
MADISON	BARROW	SPED/ELED	KFETS
ROLLGUINE	DERAVIL	SPED/ELED	KFETS; Praxis W,M
PRESTON	GRAVES	SPED/ELED	KFETS; Praxis CORE
KENT	HARLAN	SPED/ELED	KFETS
BRITTANY	LAMON	SPED/ELED	KFETS; Praxis CORE; Overall GPA
JESSIE	MCCOY	SPED/ELED	KFETS
CATHERINE	MILLER	SPED/ELED	KFETS
EMIILY	PERRY	SPED/ELED	KFETS
ALLISON	SCHORNAK	SPED/ELED	KFETS
BRITNEY	SHAW	SPED/ELED	KFETS
SARAH	STARMER	SPED/ELED	KFETS
KARA BETH	WHEELER	SPED/ELED	KFETS

STUDENT TEACHER CANDIDATES FOR FALL 2021
*****APPLICATION WITHDRAWN*****

FIRST	LAST	MAJOR	DATE/REASON

Proposal to Revise a program: Major in Biology, 525
Ogden College of Science and Engineering
Department: Biology

Section 1: Proponent Contact Information

1.1 Name/Title: Scott Grubbs/Professor of Biology
1.2 Email address: scott.grubbs@wku.edu
1.3 Phone #: 270 202-6981

Section 2: Program Information

2.1 Current Program reference number: 525
2.2 Current Program title: Major in Biology
2.3 Current total number of credits required in the program: 48

Section 3: Proposed program revisions and rationales

3.1 Addition of Ecology Lab (BIOL 355) to the laboratory experience course list. Prior to 2015, Ecology (315) was a 4.5 credit course with an embedded lab. The lab was removed and subsequently re-added as a stand-alone course (BIOL 355). Program 525 requires five laboratory courses. BIOL 355 provides a rigorous laboratory experience for students that should be added to the lab course list for 525 majors.

3.2 Addition of Ecology Lab (BIOL 355) to the science process course list. Prior to 2015, Ecology (315) was a 4.5 credit course with an embedded lab. The lab was removed and subsequently re-added as a stand-alone course (BIOL 355). Program 525 requires one science process course. BIOL 355 also provides a rigorous science process experience for students that should be added to the science process course list for 525 majors.

3.3 Removal of BIOL 326 (Ornithology) from the laboratory experience course list. The addition of BIOL 326 to this list was a mistake. This is a lecture-only course. There is a stand-alone Ornithology Lab (BIOL 356) course that is already include in the laboratory experience course list.

3.4 Change and simplify MATH requirement language from “MATH 116 and 117 or MATH 118 or higher” to “MATH 116 and MATH 117 or MATH 136”. Both MATH 118 and MATH 142 (Calculus with Applications for Life Sciences) are no longer options for students since neither has been taught for several years.The presence of “or higher” language is diffuse and too open for interpretation. The propose change provides clarity for students, advisors, and Biology faculty and staff.

3.5 Reduce the "**4. Two courses from the following list:**" from 25 (corequisite labs were not counted separately) to 13 supporting courses. I looked at six academic years of data for all Biology majors to assess frequency trends for all 25 courses. Total enrollment across the six years was 0 for six courses (AGRO 455/AGRO 456, CS 226, CIS 226, GISC 417, MATH 305, PHYS 265/PHYS 266), 1 for three courses (AGRO 454, AGRO 457/AGRO 458, MATH 307), 3 for AGRO 452, 5 for GEOG 328 and 6 for CHEM 314. Overall, the removal of 12 courses is a simplification for students and Biology advisors for supporting courses that are of no/little interest to students or for courses that had either no longer available or not offered in years (e.g., CHEM 314). MATH 142 is also being removed for the same reasons as stated above in 3.3.

Section 4: Consultations

Do any of the proposed revisions in section 3 above involve or in any other way impact other departments/units? **YES** NO

If NO, simply proceed to item 5.

If YES, identify those revisions here, referring to them by the numbers assigned in section 3 above, and for each, indicate who in the affected department/unit was consulted, and the date of that consultation:

Dr. Fred DeGraves (Agriculture; AGRO 452, 454, 455, 457) – 1/15/21
Dr. Ray Blankenship (Informations Systems; CIS 226) – 1/15/21
Dr. Huanjing Wang (SEAS; CS 226) – 1/15/21
Dr. Fred Siewers (Earth, Environmental, & Atmospheric Sciences; GEOG 328, GISC 417) – 1/15/21
Dr. Bruce Kessler (Mathematics; MATH 142, 305, 307) – 1/15/21
Dr. Mike Carini (Physics & Astronomy, PHYS 256/266) – 1/15/21
Dr. Kevin Williams (Chemistry; CHEM 314) – 1/15/21

Section 5: Proposed term for implementation: Fall 2021

Section 6: Approval Flow Dates:

Department of Biology	30 October 2020
Ogden College Curriculum Committee	28 January 2021
Professional Education Council	
Undergraduate Curriculum Committee	
University Senate	

Section 7: Required Appendices: Current & proposed program descriptions:

7.1 Current Program Description: (On a separate pages):

This option for a major in biology requires a minimum of 48 hours in biology with 24 hours at the 300 or higher level. No minor is required. A range of upper level courses are available in ecology and evolutionary biology, molecular and cellular biology, plant biology, animal biology, and microbiology.

A baccalaureate degree requires a minimum of 120 unduplicated semester hours. More information can be found at www.wku.edu/registrar/degree_certification.php.

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: https://www.wku.edu/colonnade/colonnaderequirements.php.

Required courses	Credits	Notes
BIOL 120: Biol Concepts: Cells, Metabolism, and Genetics	3	Grade of "C" or higher
BIOL 121: Biol Concepts: Cells, Metabolism, and Genetics Lab	1	Grade of "C or higher
BIOL 122: Biol Concepts: Evolution, Diversity, and Ecology	3	Grade of "C" or higher
BIOL 123: Biol Concepts: Evolution, Diversity, and Ecology Lab	1	Grade of "C" or higher
BIOL 489: Professional Aspects of Biology	1	
Restrictive Electives		
BIOL 222: Plant Biology and Diversity	3, and	
BIOL 223: Plant Biology and Diversity Lab	1	
or		
BIOL 224: Animal Biology and Diversity	3, and	
BIOL 225: Animal Biology and Diversity Lab		
or		

BIOL 226: Microbial Biology and Diversity 3, and
BIOL 227: Microbial Biology and Diversity Lab 1

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BIOL 319: Introduction to Molecular and Cellular Biology 3, and
BIOL 322: Introduction to Molecular and Cellular Biology Lab 1

or

BIOL 327: Genetics 3, and
BIOL 337: Genetics Lab

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BIOL 315: Ecology 3

or

BIOL 316: Evolution 3

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Students must also select five laboratory experience courses chosen from: BIOL 212, BIOL 312, BIOL 321, BIOL 322, BIOL 324, BIOL 325, ~~**BIOL 326**~~, BIOL 328, BIOL 331, BIOL 337, BIOL 348, BIOL 350, BIOL 356, BIOL 400, BIOL 404, BIOL 405, BIOL 412, BIOL 447, BIOL 450, BIOL 456, BIOL 457, BIOL 458, BIOL 460. BIOL 470, BIOL 472, BIOL 485, BIOL 496, BIOL 497

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Students must also select one science process course from: BIOL 212, BIOL 312, BIOL 331, BIOL 350, BIOL 397, BIOL 404, BIOL 407, BIOL 412, BIOL 456, BIOL 457, BIOL 470, BIOL 472, BIOL 495, BIOL 496, BIOL 497, or HON 404

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In consultation with their advisor, students select majors-level coursework to obtain a minimum of 48 credits total, provided that at least 24 hours total are upper-division courses. Student may count up to 6 credit hours of a combination of BIOL 369 and BIOL 399, and up to 4 credit hours of BIOL 485 toward this major.

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Because an understanding of the principles of subjects outside of biology, in particular agriculture, chemistry, geography and geology, mathematics, physics, and solciology is essential to the study of biology, majors are required to complete supporting courses as follows:

1. MATH 116 and 117 or ~~**MATH 118**~~ or higher
2. PHYS 231/PHYS 232 or PHYS 255/PHYS 256
3. CHEM 120/CHEM 121, and
4. Two courses from the following list: AGRO 350 ~~**and AGRO 452 or AGRO 454 or AGRO 456/AGRO 456 or AGRO 457/AGRO 458**~~**,** BIOL 382, CHEM 222/CHEM 223, ~~**CHEM 314 or**~~ CHEM 340/CHEM 341, ~~**CHEM 330**~~, CIS 243, ~~**CIS 226 OR**~~ CS 146, ~~**GEOG 328**~~, GISC 316, GISC 317, ~~**GISC 417**~~, MATH 136, MATH 137, ~~MATH 142, MATH 305, MATH 307~~, PHYS 332/233 ~~**or PHYS 265/PHYS 266, SOCL 302**~~

7.2 <u>Proposed</u> Program Description: (On a separate pages):

Required courses	Credits	Notes
BIOL 120: Biol Concepts: Cells, Metabolism, and Genetics	3	Grade of "C" or higher
BIOL 121: Biol Concepts: Cells, Metabolism, and Genetics Lab	1	Grade of "C or higher
BIOL 122: Biol Concepts: Evolution, Diversity, and Ecology	3	Grade of "C" or higher
BIOL 123: Biol Concepts: Evolution, Diversity, and Ecology Lab	1	Grade of "C" or higher
BIOL 489: Professional Aspects of Biology	1	

Restrictive Electives	
BIOL 222: Plant Biology and Diversity	3, and
BIOL 223: Plant Biology and Diversity Lab	1
or	
BIOL 224: Animal Biology and Diversity	3, and
BIOL 225: Animal Biology and Diversity Lab	
or	
BIOL 226: Microbial Biology and Diversity	3, and
BIOL 227: Microbial Biology and Diversity Lab	1
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BIOL 319: Introduction to Molecular and Cellular Biology	3, and
BIOL 322: Introduction to Molecular and Cellular Biology Lab	1
or	
BIOL 327: Genetics	3, and
BIOL 337: Genetics Lab	
--	
BIOL 315: Ecology	3
or	
BIOL 316: Evolution	3
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Students must also select five laboratory experience courses chosen from: BIOL 212, BIOL 312, BIOL 321, BIOL 322, BIOL 324, BIOL 325, BIOL 328, BIOL 331, BIOL 337, BIOL 348, BIOL 350, **BIOL 355**, BIOL 356, BIOL 400, BIOL 404, BIOL 405, BIOL 412, BIOL 447, BIOL 450, BIOL 456, BIOL 457, BIOL 458, BIOL 460. BIOL 470, BIOL 472, BIOL 485, BIOL 496, BIOL 497

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Students must also select one science process course from: BIOL 212, BIOL 312, BIOL 331, BIOL 350, **BIOL 355**, BIOL 397, BIOL 404, BIOL 407, BIOL 412, BIOL 456, BIOL 457, BIOL 470, BIOL 472, BIOL 495, BIOL 496, BIOL 497, or HON 404

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In consultation with their advisor, students select majors-level coursework to obtain a minimum of 48 credits total, provided that at least 24 hours total are upper-division courses. Student may count up to 6 credit hours of a combination of BIOL 369 and BIOL 399, and up to 4 credit hours of BIOL 485 toward this major.

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Because an understanding of the principles of subjects outside of biology, in particular agriculture, chemistry, geography and geology, mathematics, physics, and solciology is essential to the study of biology, majors are required to complete supporting courses as follows:

1. MATH 116 and 117 or **MATH 136**
2. PHYS 231/PHYS 232 or PHYS 255/PHYS256
3. CHEM 120/CHEM 121, and
4. Two courses from the following list: AGRO 350 **,** BIOL 382, CHEM 222/CHEM 223, **CHEM 330**, CHEM 340/CHEM 341, CIS 243, CS 146, GISC 316, GISC 317, MATH 136, MATH 137, PHYS 332/233, SOCL 302

Proposal to Revise a program: Major in Biology, 617
Ogden College of Science and Engineering
Department: Biology

Section 1: Proponent Contact Information

1.1 Name/Title: Scott Grubbs/Professor of Biology
1.2 Email address: scott.grubbs@wku.edu
1.3 Phone #: 270 202-6981

Section 2: Program Information

2.1 Current Program reference number: 617
2.2 Current Program title: Major in Biology
2.3 Current total number of credits required in the program: 36

Section 3: Proposed program revisions and rationales

3.1 Addition of Ecology Lab (BIOL 355) to the laboratory experience course list. Prior to 2015, Ecology (315) was a 4.5 credit course with an embedded lab. The lab was removed and subsequently re-added as a stand-alone course (BIOL 355). Program 617 requires three laboratory courses. BIOL 355 provides a rigorous laboratory experience for students that should be added to the lab course list for 617 majors.

3.2 Addition of Ecology Lab (BIOL 355) to the science process course list. Prior to 2015, Ecology (315) was a 4.5 credit course with an embedded lab. The lab was removed and subsequently re-added as a stand-alone course (BIOL 355). Program 617 requires one science process course. BIOL 355 also provides a rigorous science process experience for students that should be added to the science process course list for 617 majors.

3.3 Removal of BIOL 326 (Ornithology) from the laboratory experience course list. The addition of BIOL 326 to this list was a mistake. This is a lecture-only course. There is a stand-alone Ornithology Lab (BIOL 356) course that is already include in the laboratory experience course list.

3.4 Change and simplify MATH requirement language from “MATH 116 and 117 or MATH 118 or higher” to “MATH 116 and MATH 117 or MATH 136”. Both MATH 118 and MATH 142 (Calculus with Applications for Life Sciences) are no longer options for students since neither has been taught for several years. The present “or higher” language is diffuse and

too open for interpretation. The propose change provides clarity for students, advisors, and Biology faculty and staff.

3.5 Reduce the "**4. Two courses from the following list:**" from 25 (corequisite labs were not counted separately) to 13 supporting courses. I looked at six academic years of data for all Biology majors to assess frequency trends for all 25 courses. Total enrollment across the six years was 0 for six courses (AGRO 455/AGRO 456, CS 226, CIS 226, GISC 417, MATH 305, PHYS 265/PHYS 266), 1 for three courses (AGRO 454, AGRO 457/AGRO 458, MATH 307), 3 for AGRO 452, 5 for GEOG 328 and 6 for CHEM 314. Overall, the removal of 12 courses is a simplification for students and Biology advisors for supporting courses that are of no/little interest to students or for courses that had either no longer available or not offered in years (e.g., CHEM 314). MATH 142 is also being removed for the same reasons as stated above in 3.3.

Section 4: Consultations

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Dr. Ray Blankenship (Information Systems; CIS 226) – 1/15/21
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Dr. Fred Siewers (Earth, Environmental, & Atmospheric Sciences; GEOG 328, GISC 417) – 1/15/21
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Dr. Mike Carini (Physics & Astronomy, PHYS 256/266) – 1/15/21
Dr. Kevin Williams (Chemistry; CHEM 314) – 1/15/21

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Section 6: Approval Flow Dates:

Department of Biology	30 October 2020
Ogden College Curriculum Committee	28 January 2021
Professional Education Council	
Undergraduate Curriculum Committee	
University Senate	

Section 7: Required Appendices: Current & proposed program descriptions:

7.1 <u>Current</u> Program Description: (On a separate pages):

This option for a major in biology requires a minimum of 36 semester hours in biology with 18 hours at the 300 or higher level plus the requirements of a minor area or a second major. The major-minor / second major combination must be at least 54 total hours with 48 unduplicated hours.

A baccalaureate degree requires a minimum of 120 unduplicated semester hours. More information can be found at www.wku.edu/registrar/degree_certification.php.

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: https://www.wku.edu/colonnade/colonnaderequirements.php.

Required courses	Credits	Notes
BIOL 120: Biol Concepts: Cells, Metabolism, and Genetics	3	Grade of “C” or higher
BIOL 121: Biol Concepts: Cells, Metabolism, and Genetics Lab	1	Grade of “C or higher
BIOL 122: Biol Concepts: Evolution, Diversity, and Ecology	3	Grade of “C” or higher
BIOL 123: Biol Concepts: Evolution, Diversity, and Ecology Lab	1	Grade of “C” or higher
BIOL 489: Professional Aspects of Biology	1	
Restrictive Electives		
BIOL 222: Plant Biology and Diversity	3, and	
BIOL 223: Plant Biology and Diversity Lab	1	
or		
BIOL 224: Animal Biology and Diversity	3, and	
BIOL 225: Animal Biology and Diversity Lab		
or		
BIOL 226: Microbial Biology and Diversity	3, and	
BIOL 227: Microbial Biology and Diversity Lab	1	
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BIOL 319: Introduction to Molecular and Cellular Biology	3, and	

BIOL 322: Introduction to Molecular and Cellular Biology Lab 1
or
BIOL 327: Genetics 3, and
BIOL 337: Genetics Lab
--
BIOL 315: Ecology 3
or
BIOL 316: Evolution 3
--
Students must also select three laboratory experience courses chosen from: BIOL 212, BIOL 312, BIOL 321, BIOL 322, BIOL 324, BIOL 325, ~~**BIOL 326**~~, BIOL 328, BIOL 331, BIOL 337, BIOL 348, BIOL 350, BIOL 356, BIOL 400, BIOL 404, BIOL 405, BIOL 412, BIOL 447, BIOL 450, BIOL 456, BIOL 457, BIOL 458, BIOL 460. BIOL 470, BIOL 472, BIOL 485, BIOL 496, BIOL 497
--
Students must also select one science process course from: BIOL 212, BIOL 312, BIOL 331, BIOL 350, BIOL 397, BIOL 404, BIOL 407, BIOL 412, BIOL 456, BIOL 457, BIOL 470, BIOL 472, BIOL 495, BIOL 496, BIOL 497, or HON 404
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In consultation with their advisor, students select majors-level coursework to obtain a minimum of 36 credits total, provided that at least 18 hours total are upper-division courses. Student may count up to 3 credit hours of a combination of BIOL 369 and BIOL 399, and up to 4 credit hours of BIOL 485 toward this major.
--
Because an understanding of the principles of subjects outside of biology, in particular agriculture, chemistry, geography and geology, mathematics, physics, and sociology is essential to the study of biology, majors are required to complete supporting courses as follows:

5. MATH 116 and 117 or ~~**MATH 118 or higher**~~
6. PHYS 231/PHYS 232 or PHYS 255/PHYS256
7. CHEM 120/CHEM 121, and
8. Two courses from the following list: AGRO 350 ~~**and AGRO 452 or AGRO 454 or AGRO 456/AGRO 456 or AGRO 457/AGRO 458**~~, BIOL 382, CHEM 222/CHEM 223, ~~**CHEM 314 or**~~ CHEM 340/CHEM 341, ~~**CHEM 330**~~, CIS 243, ~~**CIS 226 OR**~~ CS 146, ~~**GEOG 328**~~, GISC 316, GISC 317, ~~**GISC 417**~~, MATH 136, MATH 137, ~~**MATH 142, MATH 305, MATH 307,**~~ PHYS 332/233 or ~~**PHYS 265/PHYS 266**~~, SOCL 302

7.2 <u>Proposed</u> Program Description: (On a separate pages):

Required courses	Credits	Notes
BIOL 120: Biol Concepts: Cells, Metabolism, and Genetics	3	Grade of "C" or higher
BIOL 121: Biol Concepts: Cells, Metabolism, and Genetics Lab	1	Grade of "C or higher
BIOL 122: Biol Concepts: Evolution, Diversity, and Ecology	3	Grade of "C" or higher
BIOL 123: Biol Concepts: Evolution, Diversity, and Ecology Lab	1	Grade of "C" or higher
BIOL 489: Professional Aspects of Biology	1	

<u>Restrictive Electives</u>

BIOL 222: Plant Biology and Diversity	3, and
BIOL 223: Plant Biology and Diversity Lab	1
or	
BIOL 224: Animal Biology and Diversity	3, and
BIOL 225: Animal Biology and Diversity Lab	
or	
BIOL 226: Microbial Biology and Diversity	3, and
BIOL 227: Microbial Biology and Diversity Lab	1
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BIOL 319: Introduction to Molecular and Cellular Biology	3, and
BIOL 322: Introduction to Molecular and Cellular Biology Lab	1
or	
BIOL 327: Genetics	3, and
BIOL 337: Genetics Lab	
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BIOL 315: Ecology	3
or	
BIOL 316: Evolution	3
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Students must also select three laboratory experience courses chosen from: BIOL 212, BIOL 312, BIOL 321, BIOL 322, BIOL 324, BIOL 325, BIOL 328, BIOL 331, BIOL 337, BIOL 348, BIOL 350, **BIOL 355**, BIOL 356, BIOL 400, BIOL 404, BIOL 405, BIOL 412, BIOL 447, BIOL 450, BIOL 456, BIOL 457, BIOL 458, BIOL 460. BIOL 470, BIOL 472, BIOL 485, BIOL 496, BIOL 497

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Students must also select one science process course from: BIOL 212, BIOL 312, BIOL 331, BIOL 350, **BIOL 355**, BIOL 397, BIOL 404, BIOL 407, BIOL 412, BIOL 456, BIOL 457, BIOL 470, BIOL 472, BIOL 495, BIOL 496, BIOL 497, or HON 404

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In consultation with their advisor, students select majors-level coursework to obtain a minimum of 36 credits total, provided that at least 18 hours total are upper-division courses. Student may count up to 3 credit hours of a combination of BIOL 369 and BIOL 399, and up to 4 credit hours of BIOL 485 toward this major.

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Because an understanding of the principles of subjects outside of biology, in particular agriculture, chemistry, geography and geology, mathematics, physics, and sociology is essential to the study of biology, majors are required to complete supporting courses as follows:

1. MATH 116 and 117 or **MATH 136**
2. PHYS 231/PHYS 232 or PHYS 255/PHYS256
3. CHEM 120/CHEM 121, and
4. Two courses from the following list: AGRO 350, BIOL 382, CHEM 222/CHEM 223, **CHEM 330**, CHEM 340/CHEM 341, CIS 243, CS 146, GISC 316, GISC 317, MATH 136, MATH 137, PHYS 332/233, SOCL 302

Disposition directions, video and links:

Dispositions video to share with clinical teachers:
https://www.dropbox.com/s/kqz8owqqmt778ke/Complete%20dispositions%20training%20video.mp4?dl=0

Disposition Directions: Rate the teacher candidate using the 1-4 scale (where 0 is not observed, 1 is Minimal effectiveness (this will be students who need remediation), 2 is Developing appropriately for a teacher candidate, 3 is Accomplished beyond most other teacher candidates and 4 is Exemplary performance where the teacher candidate is showing skills typically reserved for practicing teachers with many years of experience). Remember that most teacher candidates are still developing their skills as teachers, so MOST TEACHER CANDIDATES will rate between a 2-3. While EXCEPTIONAL teacher candidates may rate as a 4 in a few categories, these scores are primarily reserved for PRACTICING TEACHERS with several years of experience in the classroom. Click on the circle that represents the teacher candidate's dispositions. Please add comments, especially for teacher candidates who need feedback in order to improve their practice. It is important to share the ideas on this form with Teacher Candidates so they can improve.

Dispositions survey link to use for Spring 2021:
https://wku.co1.qualtrics.com/jfe/form/SV_2hhLSNY9TVZoZIF