

KENT STATE UNIVERSITY CERTIFICATION OF CURRICULUM PROPOSAL

Preparation Date **20-Jul-18** Curriculum Bulletin _____
 Effective Date **Fall 2019** Approved by EPC _____

Department _____
 College **AS - Arts and Sciences**
 Degree **BS - Bachelor of Science**
 Program Name **Integrated Life Sciences** Program Banner Code **ILS**
 Concentration(s) _____ Concentration(s) Banner Code(s) _____
 Proposal **Temporarily suspend admissions**

Description of proposal:

Suspend admissions to the BS/MD program in Integrated Life Sciences offered in conjunction with NEOMED (Northeast Ohio Medical University). NEOMED no longer wants to accept students through this program and is working toward a new process to accept medical students from northeastern Ohio universities.

Does proposed revision change program's total credit hours? Yes No

Current total credit hours: _____ Proposed total credit hours: _____

Describe impact on other programs, policies or procedures (e.g., duplication issues; enrollment and staffing considerations; need; audience; prerequisites; teacher education licensure):

Units offering specialized coursework for the BS/MD program will see the impact. The yearly cohort has been about 35 students.

Units consulted (other departments, programs or campuses affected by this proposal):

None

REQUIRED ENDORSEMENTS

_____	_ / _ / _
Department Chair / School Director	
_____	_ / _ / _
Campus Dean (for Regional Campuses proposals)	
<i>Mary Ann Haley</i>	8 / 24 / 18
College Dean (or designee)	
_____	_ / _ / _
Dean of Graduate Studies (for graduate proposals)	
_____	_ / _ / _
Senior Vice President for Academic Affairs and Provost (or designee)	

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Proposal Summary

Temporarily Suspend Admission to BS/MD program in Integrated Life Sciences [ILS]

1. Provide a rationale for the suspension of admission of the program.

The BS/MD program in Integrated Life Sciences has been offered in association with NEOMED (Northeast Ohio Medical University). For many years students applied to the program at several northeastern Ohio universities. Admissions decisions were made along with NEOMED. Students were admitted to an accelerated year-round BS degree program with specialized coursework to prepare them for medical school at NEOMED. Once students met the undergraduate GPA and MCAT score requirements they were guaranteed a seat at NEOMED. Over the past several years, and in response to program reviews at NEOMED, the decision was made to delay the admissions decision until later in a student's undergraduate career. NEOMED asked the cooperating universities to create a 'pathway' to medical school in which students would be evaluated after their sophomore year. As leadership and direction at NEOMED has changed the 'pathways' have evolved as well. In the event NEOMED returns to an admissions process similar to the BS/MD in Integrated Life Sciences, the program will be revised to reflect the new/updated program requirements.

2. Indicate number of students currently enrolled in the program and describe how the suspension of admission will affect them. Explain plans for notifying current students and assisting them in the completion of their program.

NEOMED allowed each of the participating universities to admit 35 students per cohort. The last full cohort was for the 2016-2017 academic year. The 2017-2018 cohort was limited to 25 students after which the program was to end. Student are aware of the status of the program and courses they require will be offered until the remaining cohorts are through the program.

3. Describe whether there will be a loss of faculty or staff positions due to the suspension.

There will be no loss of faculty or staff because of the suspension. Faculty who have taught in the program will offer other courses in their home departments. The College of Arts and Sciences ILS advisor has already transitioned to more of a pre-health program advisor.

4. Indicate if any of the program's courses that will not be offered due to the suspension are used by other units for their programs (either as required or elective). Provide evidence that those units have been consulted regarding the offerings.

No other programs used the ILS course offerings.

5. Describe the plan for communicating the suspension of admissions.

The suspension will be noted in the university catalog and on websites that formerly described the program. The ideal situation would be for the program's catalog pages to be 'hidden' from view.

INTEGRATED LIFE SCIENCES - B.S./M.D.

College of Arts and Sciences
104 Bowman Hall
Kent Campus
www.kent.edu/cas

Description

The Bachelor of Science degree in Integrated Life Sciences allows students to matriculate to medical degree studies at the Northeast Ohio Medical University (NEOMED). Students in the program are enrolled for 11 months in each of the six academic years. Phase I of the program is spent on the Kent Campus and begins with a summer term and continues through two academic years and two additional summer terms. During this period, coursework is focused on studies in the behavioral and basic pre-medical sciences. It also includes orientation to clinical medicine and work in the humanities.

Phase II of the program involves intensive medical training and may be accompanied by summer coursework in the humanities. In the first year of Phase II, students study the basic medical sciences, including anatomy, physiology and microbiology, at the NEOMED Basic Medical Sciences Campus in Rootstown. Students may return to the Kent Campus for the summer term following this year to complete any requirements for the B.S. degree.

In the remaining three years of Phase II (years four, five and six of the overall program), students develop competence in the clinical aspects of medicine through instruction provided principally at one or more of the community hospitals associated with the program.

Fully Offered At:

- Kent Campus

Accreditation

NEOMED is fully accredited by the Association of American Medical Colleges and the Council on Medical Education of the American Medical Association.

Admission Requirements

Admission to the Integrated Life Sciences major is selective. Current high school students and those students who have completed high school, but have not yet earned college credit after graduating from high school, may be considered for the combined B.S./M.D. program. Students who earn college credits while in high school are eligible. For more information on admissions, visit the admissions website for new freshmen.

Progress through the undergraduate portion of the B.S./M.D. program is measured by academic performance and development of personal maturity appropriate to assumption of professional responsibility. The Committee on Academic and Professional Progress (CAPP) will assess these factors and the student's successful performance on the MCAT in order to recommend students for promotion and formal admission to Phase II of the program.

English Language Proficiency Requirements for International Students:
All international students must provide proof of English language

proficiency (unless they meet specific exceptions) by earning a minimum 525 TOEFL score (71 on the Internet-based version), minimum 75 MELAB score, minimum 6.0 IELTS score or minimum 48 PTE Academic score, or by completing the ELS level 112 intensive Program. For more information on international admission, visit the Office of Global Education's admission website.

Program Learning Outcomes

Graduates of this program will be able to:

1. Describe the major functions of the human body and the mechanisms of disease.
2. Recognize the humanistic aspects of medicine.
3. Demonstrate an appreciation of the experiences of their patients, and their own experiences, beyond medical practice.

Program Requirements

Major Requirements

[BS-ILS]

Code	Title	Credit Hours
Major Requirements (courses count in major GPA)		
BSCI 10120	BIOLOGICAL FOUNDATIONS (KBS) (KLAB)	4
BSCI 30140	CELL BIOLOGY	4
BSCI 30156	ELEMENTS OF GENETICS	3
BSCI 30171	GENERAL MICROBIOLOGY	4
BSCI 30519	VERTEBRATE EMBRYOLOGY AND DEVELOPMENTAL ANATOMY	4
BSCI 40242	SEMINAR ON MEDICAL PRACTICE FOR UNDERSERVED POPULATIONS	2
CHEM 10062	GENERAL CHEMISTRY I LABORATORY (KBS) (KLAB)	1
CHEM 10063	GENERAL CHEMISTRY II LABORATORY (KBS) (KLAB)	1
CHEM 10970	HONORS GENERAL CHEMISTRY I (KBS)	4
CHEM 10971	HONORS GENERAL CHEMISTRY II (KBS)	4
CHEM 30475	ORGANIC CHEMISTRY LABORATORY I (ELR)	1
CHEM 30481	ORGANIC CHEMISTRY I	3
CHEM 30482	ORGANIC CHEMISTRY II	3
CHEM 40245	BIOCHEMICAL FOUNDATIONS OF MEDICINE	4
HONR 10197	FRESHMAN HONORS COLLOQUIUM I (KCMP)	3
HONR 10297	FRESHMAN HONORS COLLOQUIUM II (KCMP)	3
ILS 21091	INTEGRATED LIFE SCIENCES SEMINAR I	2
ILS 21092	INTEGRATED LIFE SCIENCES SEMINAR II (ELR)	2
ILS 30392	PSYCHOLOGICAL HELPING SKILLS FOR MEDICINE (ELR)	3
ILS 32092	INTEGRATED LIFE SCIENCES SEMINAR IV (ELR)	2
ILS 40392	PRACTICUM IN MEDICAL PSYCHOLOGY (ELR)	3
ILS 42591	MEDICAL SOCIOLOGY RESEARCH SKILLS	2
ILS 42592	MEDICAL SOCIOLOGY PRACTICUM (ELR) (WIC)	3
MATH 12021	CALCULUS FOR LIFE SCIENCES	4
MATH 12022	PROBABILITY AND STATISTICS FOR LIFE SCIENCES	3
PHY 13001 & PHY 13021	GENERAL COLLEGE PHYSICS I (KBS) and GENERAL COLLEGE PHYSICS LABORATORY I (KBS) (KLAB)	5
or PHY 23101	GENERAL UNIVERSITY PHYSICS I (KBS) (KLAB)	

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PHY 13002	GENERAL COLLEGE PHYSICS II (KBS)	5
& PHY 13022	and GENERAL COLLEGE PHYSICS LABORATORY II (KBS) (KLAB)	
or PHY 23102	GENERAL UNIVERSITY PHYSICS II (KBS) (KLAB)	
PSYC 11762	GENERAL PSYCHOLOGY (DIVD) (KSS)	3
PSYC 40111	ABNORMAL PSYCHOLOGY	3
SOC 22100	SOCIOLOGICAL ANALYSIS	3
SOC 42563	SOCIOLOGY OF HEALTH AND HEALTH CARE	3
SOC 44010	SOCIOLOGICAL PERSPECTIVES IN MEDICINE	3

Fine Arts Elective 3
 History, Literature, Philosophy Electives 12
 Humanities Elective 3

Additional Requirements (courses do not count in major GPA)

UC 10097	DESTINATION KENT STATE: FIRST YEAR EXPERIENCE	6
Electives (total credit hours depends on earning 122 credit hours)		6
Minimum Total Credit Hours:		122

THE HUMANITIES COMPONENT (18)

Objective: Within the constraints imposed and the opportunities afforded by summer academic scheduling, to provide disciplined experience in and exposure to the differing modes of thought, perception/perspectives and methodologies of the disciplines usually classified as the "humanities" in arriving at informed critical analyses of the human experience.

Requirement: 18 credit hours of academic credit. At least one of the courses taken to satisfy the humanities must also satisfy the diversity requirement*. The humanities requirements may be fulfilled in the following fashion during the students' fourth and fifth summers (fourth and sixth summers for students who begin core clerkships in fifth summer, rather than in the fall) in the joint six-year B.S./M.D. program offered by the university in conjunction with the Northeast Ohio Medical University:

I. Fine Arts (3)

Students are to take at least one approved course from the list of Kent Core Fine Arts courses.

II. History, Literature, Philosophy (12)

Students must take two courses (one lower and one upper division) from two of the following three fields:

- History
- Literature
- Philosophy (students are strongly urged to take an ethics course)

III. Humanities Elective (3)

Students are to take one additional course in Humanities, Fine Arts or Foreign Language.

IV. Electives (6)

During the time devoted to fulfillment of the humanities requirements of the ILS program, students also will be taking "elective" hours sufficient to complete the 122 credit hours of satisfactorily completed academic credits required for the B.S. degree as offered through the College of Arts and Sciences of Kent State University. Humanities hours in excess of the 18 credit hours minimum of the humanities component requirement will be applied toward these "elective" credit hours.

Diversity (6)
 Students must also satisfy the 6 credit hours diversity requirement of the university. At least one of the courses taken to satisfy the humanities must also satisfy the diversity requirement. The 6 credit hours diversity requirement is fulfilled with one domestic diversity course and one global diversity course.

Graduation Requirements

Minimum Major GPA	Minimum Overall GPA
2.000	2.000

* All courses taken from the list of major program requirements are used in the calculation of the major GPA.

Roadmap

Course	Title	Credits
First Year		
Summer 1		
PSYC 11762	GENERAL PSYCHOLOGY (DIVD) (KSS)	3
SOC 22100	SOCIOLOGICAL ANALYSIS	3
UC 10097	DESTINATION KENT STATE: FIRST YEAR EXPERIENCE	1
Humanities or Electives		6
Credit Hours		13
Fall 1		
BSCI 10120	BIOLOGICAL FOUNDATIONS (KBS) (KLAB)	4
CHEM 10062	GENERAL CHEMISTRY LABORATORY (KBS) (KLAB)	1
CHEM 10970	HONORS GENERAL CHEMISTRY I (KBS)	4
HONR 10197	FRESHMAN HONORS COLLOQUIUM I (KCMP)	3
ILS 21091	INTEGRATED LIFE SCIENCES SEMINAR I	2
MATH 12021	CALCULUS FOR LIFE SCIENCES	4
Credit Hours		18
Spring 1		
BSCI 30140	CELL BIOLOGY	4
CHEM 10063	GENERAL CHEMISTRY II LABORATORY (KBS) (KLAB)	1
CHEM 10971	HONORS GENERAL CHEMISTRY II (KBS)	4
HONR 10287	FRESHMAN HONORS COLLOQUIUM II (KCMP)	3
ILS 21092	INTEGRATED LIFE SCIENCES SEMINAR II (ELR)	2
SOC 42563	SOCIOLOGY OF HEALTH AND HEALTH CARE	3
Credit Hours		17
Second Year		
Summer 2		
BSCI 30156	ELEMENTS OF GENETICS	3
ILS 42591	MEDICAL SOCIOLOGY RESEARCH SKILLS	2
ILS 42592	MEDICAL SOCIOLOGY PRACTICUM (ELR) (WIC)	3
SOC 44010	SOCIOLOGICAL PERSPECTIVES IN MEDICINE	3
Humanities or Elective		3
Credit Hours		14
Fall 2		
BSCI 30171	GENERAL MICROBIOLOGY	4
BSCI 40242	SEMINAR ON MEDICAL PRACTICE FOR UNDERSERVED POPULATIONS	2
CHEM 30475	ORGANIC CHEMISTRY LABORATORY I (ELR)	1
CHEM 30481	ORGANIC CHEMISTRY I	3
MATH 12022	PROBABILITY AND STATISTICS FOR LIFE SCIENCES	3

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PHY 13001 & PHY 13021 or PHY 23101	GENERAL COLLEGE PHYSICS I (KBS) and GENERAL COLLEGE PHYSICS LABORATORY I (KBS) (KLAB) or GENERAL UNIVERSITY PHYSICS I (KBS) (KLAB)	5
Credit Hours		18
Spring 2		
BSCI 30519	VERTEBRATE EMBRYOLOGY AND DEVELOPMENTAL ANATOMY	4
CHEM 30482	ORGANIC CHEMISTRY II	3
CHEM 40245	BIOCHEMICAL FOUNDATIONS OF MEDICINE	4
ILS 32092	INTEGRATED LIFE SCIENCES SEMINAR IV (ELR)	2
PHY 13002 & PHY 13022 or PHY 23102	GENERAL COLLEGE PHYSICS II (KBS) and GENERAL COLLEGE PHYSICS LABORATORY II (KBS) (KLAB) or GENERAL UNIVERSITY PHYSICS II (KBS) (KLAB)	5
Credit Hours		18
Third Year		
Summer 3		
ILS 30392	PSYCHOLOGICAL HELPING SKILLS FOR MEDICINE (ELR)	3
ILS 40392	PRACTICUM IN MEDICAL PSYCHOLOGY (ELR)	3
PSYC 40111	ABNORMAL PSYCHOLOGY	3
Humanities or Elective		3
Credit Hours		12
Fall 3		
Phase II NEOMED		
Credit Hours		0
Spring 3		
Phase II NEOMED		
Credit Hours		0
Fourth Year		
Summer 4		
Humanities or Electives (if not completed earlier)		12
Credit Hours		12
Minimum Total Credit Hours:		122

ADMISSIONS
SUSPENDED

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