

21360

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JUL 1 - 1999

**Report of the Chancellor
July 1, 1999**

**ARTICULATION AGREEMENT
WITH NORTHERN ILLINOIS UNIVERSITY**

- ▶ Welcome NIU President - Dr. John La Tourette
and members of NIU Administrative Staff & Faculty
- ▶ Agreement assures the transfer of Biology & Physics courses from
CCC to NIU
- ▶ Culmination of faculty and administrative efforts over the past year
- ▶ Appreciation to:
Deidra Lewis, for Leadership of the CCC Team
Bernard Ferreri
Robert Wheeler, NIU Dean of Liberal Arts & Sciences
over 35 CCC and NIU faculty and administrators participated
- ▶ Agreement provisions:
 - CCC will offer two newly developed Biology courses
 - Provide advising to CCC students planning to transfer to NIU as
Biology & Physics majors
 - NIU will accept and award credit to the students
 - NIU will provide access to syllabi for all courses on its web site
- ▶ Articulation will be ongoing

July 1, 1999

21360

BIOLOGY AND PHYSICS
ARTICULATION AGREEMENT

between

CITY COLLEGES OF CHICAGO

and

NORTHERN ILLINOIS
UNIVERSITY

JULY 1, 1999



**BIOLOGY AND PHYSICS
ARTICULATION AGREEMENT**

between

CITY COLLEGES OF CHICAGO

and

NORTHERN ILLINOIS UNIVERSITY

STATEMENT OF INTENT: The purpose of this articulation agreement is to establish a seamless transition for students who transfer Biology and Physics courses from the City Colleges of Chicago (CCC) to Northern Illinois University (NIU).

EFFECTIVE JULY, 1999:

IN ACCORDANCE WITH THE RECOMMENDATIONS SUBMITTED BY THE CCC/NIU BIOLOGY AND PHYSICS ARTICULATION PANELS, THE CITY COLLEGES OF CHICAGO, DISTRICT 508, AGREES TO THE FOLLOWING:

1. CCC will offer two newly developed Biology courses: BIO 121 Organismal Biology (5 credit hours) and BIO 122 Molecular Biology (5 credit hours). These courses correspond in content and sequence with the first year Biology courses offered at NIU.
2. CCC will advise students planning to transfer to NIU as Biology majors to enroll in these new courses and in other courses accepted for transfer as Biology major courses (see Tables attached).
3. CCC will advise students planning to transfer to NIU as Physics majors to enroll in courses accepted for transfer as Physics major coursework (see Tables attached).

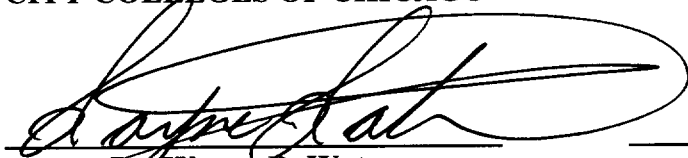
4. CCC will advise students planning to transfer to NIU who are not Biology or Physics majors to enroll in courses accepted as Science General Education requirements (see Tables attached).
5. CCC will maintain ongoing articulation and communication with the NIU Biology and Physics departments.


IN ACCORDANCE WITH THE RECOMMENDATIONS SUBMITTED BY THE CCC/NIU BIOLOGY AND PHYSICS ARTICULATION PANELS, NORTHERN ILLINOIS UNIVERSITY AGREES TO:

1. accept and award Biology and Physics course credit according to the established course equivalency tables included in this agreement;
2. provide access to syllabi for all courses listed on these tables on its Web site; and
3. maintain ongoing articulation and communication with the CCC Biology and Physics departments.

CITY COLLEGES OF CHICAGO

NORTHERN ILLINOIS UNIVERSITY


 Dr. Wayne D. Watson
 Chancellor


 Dr. John E. La Tourette
 President

7-1-99
 Date

7/1/99
 Date

**BIOLOGY ARTICULATION FOR
BIOLOGY MAJORS**

COUNSELOR/ADVISOR NOTES

CCC PRERQUISITES	NIU BIOLOGY COURSES	
BIOLOGY SEQUENCE	CREDIT AWARDED	NIU PLACEMENT
BIO 121 (5hr) Organismal Biology <i>plus</i> BIO 122 (5hr) Molecular Biology	BIOS 205 (4hr) Organismal Diversity, <i>and</i> BIOS 208 (4hr) Fundamentals of Biology I <i>and</i> BIOS 209 (4hr) Fundamentals of Biology II	BIOS 308 (5hr) Genetics
MIC 233 (4hr) General Microbiology	BIOS 213 (3hr) Introductory Bacteriology <i>or</i> BIOS 313 (4hr) Microbiology	300 or 400 level Biological Sciences electives
BIO 241 (4hr) Genetics	BIOS 308 (5hr) Genetics	300 or 400 level Biological Sciences electives

- Students who complete BIO 121 at CCC but **do not** complete BIO 122 will receive NIU transfer credit for BIOS 205 only.

Recommended Program for Biology Majors

The NIU Biological Sciences Department recommends that CCC students complete the first year of Chemistry and Calculus before taking Biology courses. While Chemistry and Calculus are not prerequisites for CCC's Biology 121 and 122, beginning with these courses will enhance students' understanding of Biology and their performance after transferring to NIU.

Semester One

English 101
Speech 101
Chemistry 201
Mathematics 207

Semester Two

English 102
Chemistry 203
Mathematics 208
General Education Requirement

Semester Three

Biology 121
Mathematics 209
General Education Requirement
General Education Requirement

Semester Four

Biology 122
General Education Requirement
General Education Requirement
General Education Requirement

The CCC Biology faculty strongly recommend that all transfer students complete the Inorganic Chemistry and Calculus sequences before transferring to any university.

**BIOLOGY ARTICULATION
FOR
GENERAL EDUCATION AND BIOLOGY MAJORS**

COURSE EQUIVALENCY TABLE

CITY COLLEGES OF CHICAGO	NORTHERN ILLINOIS UNIVERSITY
BIO 101 (3hr) General Biology I <i>plus</i> BIO 102 (3hr) General Biology II	BIOS 103 (3hr) General Biology
BIO 104 (4hr) Human Biology	BIOS 109 (3hr) Human Biology
BIO 106 (3hr) Environmental Biology	BIOS 106 (3hr) Environmental Biology
BIO 109 (3hr) Human Genetics and Evolution	BIOS 418 (3hr) Human Heredity
BIO 110 (3hr) Human Ecology	BIOS 106 (3hr) Environmental Biology
BIO 111 (4hr) General Course I with Lab	BIOS 104 (4hr) Human Biology <i>or</i> another General Education requirement
BIO 112 (4hr) General Course II with Lab	BIOS 104 (4hr) Human Biology <i>or</i> another General Education requirement
BIO 121 (5hr) Organismal Biology <i>plus</i> BIO 122 (5hr) Molecular Biology	BIOS 205 (4hr) Organismal Diversity BIOS 208 (4hr) Fundamentals of Biology I BIOS 209 (4hr) Fundamentals of Biology II
BIO 241 (4hr) Genetics	BIOS 308 (5hr) Genetics

- This table reflects only courses which are transferable for General Education Credit or as coursework in the Biology major.
- Any of the courses listed above (except for BIO 241) can be transferred for General Education Credit at NIU for non-Biology majors.

PHYSICS ARTICULATION FOR PHYSICS MAJORS

COUNSELOR/ADVISOR NOTES

Physics majors are required to complete one of the following sequences.

CCC COURSES	NIU PHYSICS COURSES	
	CREDIT AWARDED	NIU PLACEMENT
Calculus Based Sequence PHYS 235 (4hr) Engineering Physics I: Mechanics and Wave Motion PHYS 236 (4hr) Engineering Physics II: Electricity and Magnetism PHYS 237 (4hr) Engineering Physics III: Heat, Light and Modern Physics	PHYS 250A (4hr) Fundamentals of Physics I PHYS 251A (4hr) Fundamentals of Physics II PHYS 261 (4hr) Fundamentals of Physics III	PHYS 251A (4hr) Fundamentals of Physics II PHYS 261 (4hr) Fundamentals of Physics III PHYS 300 (3hr) Analytical Mechanics I
Trigonometry Based Sequence PHYS 225 (4hr) Mechanics and Heat PHYS 226 (4hr) Electricity, Sound and Light	PHYS 250A (4hr) Fundamentals of Physics I PHYS 251A (4hr) Fundamentals of Physics II	PHYS 251A (4hr) Fundamentals of Physics II PHYS 261 (4hr) Fundamentals of Physics III
PHYS 215 (3hr) Statics <i>plus</i> PHYS 216 (3hr) Dynamics	PHYS 300 (3hr) Analytical Mechanics I	PHYS 370 (3hr) Electricity and Magnetism I

Recommended Program for Physics Majors

The NIU Physics Department recommends the following program for CCC students. The CCC faculty also recommend that students complete the Inorganic Chemistry and Calculus sequences before transferring.

Semester One

English 101
Speech 101
Chemistry 201
Mathematics 207

Semester Three

Physics 226 or 236
Mathematics 209
General Education Requirement
General Education Requirement

Semester Two

Physics 225 or 235
English 102
Chemistry 203
Mathematics 208

Semester Four

Physics 237
Mathematics 210
General Education Requirement
General Education Requirement

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PHYSICS ARTICULATION

COURSE EQUIVALENCY TABLE

CITY COLLEGES OF CHICAGO	NORTHERN ILLINOIS UNIVERSITY
PHYS 131 (3hr) Mechanics and Power <i>plus</i> PHYS 132 (3hr) Electricity Heat and Light	PHYS 150 (3hr) Physics
PHYS 215 (3hr) Statics <i>plus</i> PHYS 216 (3hr) Dynamics **	PHYS 300 (3hr) Analytical Mechanics I **
PHYS 221 (4hr) Physics Calculations and Practice	PHYS 250 (4hr) General Physics
PHYS 222 (4hr) Electricity, Sound and Light	PHYS 251 (4hr) General Physics
PHYS 225 (4hr) Mechanics and Heat	PHYS 250A (4hr) Fundamentals of Physics I
PHYS 226 (4hr) Electricity, Sound and Light	PHYS 251A (4hr) Fundamentals of Physics II
PHYS 231 (4hr) General Physics I: Mechanics and Wave Motion	PHYS 250 (4hr) General Physics
PHYS 232 (4hr) General Physics II: Electricity and Magnetism <i>plus</i> PHYS 233 (4hr) General Physics III: Heat, Light and Modern Physics	PHYS 251 (4hr) General Physics
PHYS 235 (4hr) Engineering Physics I: Mechanics and Wave Motion	PHYS 250A (4hr) Fundamentals of Physics I
PHYS 236 (4hr) Engineering Physics II: Electricity and Magnetism	PHYS 251A (4hr) Fundamentals of Physics II
PHYS 237 (4hr) Engineering Physics III: Heat, Light and Modern Physics	PHYS 261 (4hr) Fundamentals of Physics III

**For Physics majors only

- This table reflects only courses that are transferable for General Education Credit or as coursework in the Physics major.
- Any of the courses listed above (except for Physics 215, 216 and 250) will transfer as General Education Credit at NIU for non-Physics majors.
- Students who decide to become Physics majors after completing a non-Calculus based sequence such as Physics 231, 232 will be able to take Physics 252 Intermediate General Physics at NIU. This course provides the necessary Calculus background to prepare the student to take Physics 261 at NIU.