

ESSEX COUNTY COLLEGE
TRANSFER ADVISEMENT EQUIVALENCY SHEET

BIOLOGY AS

BIOLOGY BS

ECC Courses

Kean University Courses

General Education Requirements			
Communications			
ENG 101	College Comp I	_____	3
ENG 102	College Comp II	_____	3
Social Science			
PSY 101, SOC 101 or ANT 101		_____	3
Any SOC, ANT, POL or PSY		_____	3
Lab Science/ Math			
BIO 103	General Biology I	_____	4
BIO 104	General Biology II	_____	4
MTH 119	Pre Calculus I	_____	4
Physical Ed/Health			
HLT 101 or PHE 119		_____	2-3
Humanities			
HST 111 or 112		_____	3
ENG 215	Modern Literary Mast.	_____	3
Required ART or MUS		_____	3
Major Requirements			
CHM 103	General Chemistry I	_____	4
CHM 104	General Chemistry II	_____	4
MTH 120	Pre Calculus II	_____	4
CHM 203/4	Organic Chemistry I/II or	_____	8
PHY 101/102	College Physics I/ II	_____	8
Additional Requirements			
BIO 211	Microbiology	_____	4
BIO 237	Principles of Genetics	_____	4

General Education Requirements			
Communications			
ENG 1030	College Composition		3
GE 2024	Research & Technology		3
Social Science			
Social Science Requirement			3
Social Science Requirement			3
Lab Science/ Math			
BIO 2200	Cell Biology		4
BIO 2400	Genes, Org & Populations		4
MATH 1000	Algebra for College Students		3
Free Elective			1
Physical Ed/Health			
ID 1225 or Phys Ed Activities			2-3
Humanities			
HIST 1000	Hist. of Civil Soc. In America		3
ENG 2403	World Literature		3
General Education Requirement			3
Major Requirements			
CHEM 1083	Chemistry I		4
CHEM 1084	Chemistry II		4
MATH 1054	Pre Calculus		3
CHEM 3181/2-3/4	Org. Chemistry I/II/Lab		8
PHYS 2091/2	Physics I/ II		8
Additional Requirements			
BIO 3305	Principles of Microbiology		4
BIO 3704	Principles of Genetics		3
Free Electives			1

Total Credits Required 63-64

Total Transferable Credits 63-64

NOTES/COMMENTS

A minimum GPA of 2.5 is required for Joint Admission

ESSEX COUNTY COLLEGE
TRANSFER ADVISEMENT EQUIVALENCY SHEET

BIOLOGY **AS**

BIOLOGY **BS**

ECC Courses

New Jersey City University Courses

General Education Requirements			
Communications			
ENG 101	College Comp I**	_____	3
ENG 102	College Comp II**	_____	3
Social Science			
PSY 101	General Psychology I	_____	3
SOC 101	or ANT 101	_____	3
Lab Science/ Math			
BIO 103	General Biology I	_____	4
BIO 104	General Biology II	_____	4
MTH 119	Pre Calculus I	_____	3
Physical Ed/Health			
PHE 119	Concepts in Physical Ed.	_____	2
Humanities			
HST 101,102,111,112,161	or 162	_____	3
ENG 215	Modern Literary Mast.	_____	3
Any MUS	or ART	_____	3
Major Requirements			
CHM 103	General Chemistry I	_____	4
CHM 104	General Chemistry II	_____	4
MTH 120	Pre Calucus II	_____	4
CHM 203	Organic Chemistry I	_____	4
CHM 204	Organic Chemistry II	_____	4
Additional Requirements			
BIO 211	Microbiology	_____	4
BIO 235	Genetics	_____	4

General Education Requirements			
Communications			
ENGL 101	English Composition I	_____	3
ENGL 102	English Composition II	_____	3
Social Science			
Social Science Requirement		_____	3
Social Science Requirement		_____	3
Lab Science/ Math			
BIOL 130	Principles of Biology I	_____	4
BIOL 131	Principles of biology II	_____	4
MATH 165	Pre Calculus	_____	3
Physical Ed/Health			
Elective Credit		_____	3
Humanities			
History Elective		_____	3
Literature Requirement		_____	3
Fine Arts Requirement		_____	3
Major Requirements			
CHEM 105/1105	General Chemistry I/Lab	_____	4
CHEM 106/1106	General Chemistry II/Lab	_____	4
MATH	General Area F	_____	3
CHEM 207	Organic Chemistry I	_____	4
CHEM 208	Organic Chemistry II	_____	4
Additional Requirements			
BIOL 303	Microbiology	_____	4
BIOL 304	Genetics	_____	4

Total Credits Required **63-64**

Total Transferable Credits **63-64**

NOTES/COMMENTS

NJCU will transfer up to a maximum of 66 credits.

ESSEX COUNTY COLLEGE
TRANSFER ADVISEMENT EQUIVALENCY SHEET

BIOLOGY **AS**

BIOLOGY **BS**

ECC Courses

Rutgers University Courses

General Education Requirements			
Communications			
ENG 101	College Composition I**	_____	3
ENG 102	College Composition II**	_____	3
Social Science			
ANT 101, POL 104, PSY 101	or SOC 101	_____	3
SOC 101	or ANT 101	_____	3
Lab Science/ Math			
BIO 103	General Biology I	_____	4
BIO 104	General Biology II	_____	4
MTH 119	Pre Calculus I	_____	3
Physical Ed/Health			
HLT 101	Helpful Living	_____	3
Humanities			
Any History		_____	3
Any Literature		_____	3
Any MUS or ART		_____	3
Major Requirements			
CHM 103	General Chemistry I	_____	4
CHM 104	General Chemistry II	_____	4
MTH 120	Pre Calculus II	_____	4
CHM 203	Organic Chemistry I	_____	4
CHM 204	Organic Chemistry II	_____	4
Additional Requirements			
BIO 211	Microbiology	_____	4
BIO 235	Genetics <u>or</u>	_____	4
BIO 231	Comp. Vertebrate Anat	_____	4

General Education Requirements			
Communications			
350:101	English Composition I	_____	3
350:102	English Composition II	_____	3
Social Science			
Social Science Requirement			3
Social Science Requirement			3
Lab Science/ Math			
120:101	General Biology I	_____	4
120:102	General Biology II	_____	4
Math Proficiency		_____	3
Physical Ed/Health			
Elective Credit			3
Humanities			
History Elective			3
Literature Requirement			3
Fine Arts Requirement			3
Major Requirements			
160:113/115	General Chemistry I/Lab	_____	4
160:114/116	General Chemistry II/Lab	_____	4
Free Elective			3
160:333/335	Organic Chemistry I	_____	4
160:334/336	Organic Chemistry II	_____	4
Additional Requirements			
120:335	Microbiology	_____	4
120:352	Genetics	_____	4
120:320	Comp. Anat of Vertebrate	_____	4

Total Credits Required **63-64**

Total Transferable Credits **63-65**

NOTES/COMMENTS

GPA 3.0 required for Joint Admissions
** These courses Requires a grade of "B" or better.

ESSEX COUNTY COLLEGE
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ECC Courses

William Paterson University Courses

General Education Requirements

Communications

ENG 101 College Comp I* _____ 3
ENG 102 College Comp II* _____ 3

Social Science

ANT 101, PSY 101, SOC 101
Or POL 104 _____ 3
ANY 101 or higher level _____ 3

Lab Science/ Math

BIO 103 General Biology I _____ 4
BIO 104 General Biology II _____ 4
MTH 119 Pre Calculus I _____ 4

Physical Ed/Health

HLT 101 Healthful Living _____ 3

Humanities

Any History _____ 3
Any 200-level Literature _____ 3
Art/Music _____ 3

Major Requirements

CHM 103 General Chemistry I _____ 4
CHM 104 General Chemistry II _____ 4
MTH 120 Pre Calculus II _____ 4
CHM 203 Organic Chemistry I _____ 4
CHM 204 Organic Chemistry II _____ 4

Additional Requirements

BIO 211 Microbiology _____ 4
BIO 231 Comp. Vert. Anat. _____ 4

Total Credits Required 60-63

General Education Requirements

Communications

ENG 110 Writing Effective Prose 3
ENG 150 Introduction to Literature 3

Social Science

Social Science Requirement 3
Social Science Requirement 3

Lab Science/ Math

BIO 163 General Biology I 4
BIO 164 General Biology II 4
Free Elective 4

Physical Ed/Health

CHML 120 Current Health Issues 3

Humanities

General Education Requirement 3
General Education Requirement 3
General Education Requirement 3

Major Requirements

CHEM 160-060 Chemistry I/Lab 4
CHEM 161-061 Chemistry II/Lab 4
MATH 116 Pre Calculus 4
CHEM 251-051 Org. Chem. I/Lab 4
CHEM 252-052 Org. Chem. II/Lab 4

Additional Requirements

BIO 170 Basic Microbiology 4
BIO 405 Comp. Vert. Anat. 4

Total Transferable Credits 60-63

NOTES/COMMENTS:

PHY 101 & PHY 102 may be taken instead of CHM 203 & CHM 204