

**ESSEX COUNTY COLLEGE
TRANSFER ADVISEMENT EQUIVALENCY SHEET**

CHEMISTRY AS

CHEMISTRY 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

MTH 121 Calculus w/Anal Geom I _____ 4
 MTH 122 Calculus w/Anal Geom II _____ 4
 PHY 103 General Physics I* _____ 4

Physical Ed/Health

HLT 101 or PHE 119 _____ 2-3

Humanities

HST 111 or HST 112 _____ 3
 ENG 215 Modern Literary Mast. _____ 3
 Required MUS or ART _____ 3

Major Requirements

CHM 103 General Chemistry I _____ 4
 CHM 104 General Chemistry II _____ 4
 CHM 203 Organic Chemistry I _____ 8
 CHM 204 Organic Chemistry II _____ 8
 MTH 221 Calculus w/Anal Geom III _____ 4
 PHY 104 General Physics II* _____ 4

Additional Requirements

Free Elective _____ 3
 Excess Credit from Calculus I, II, III _____

Total Credits Required 63-64

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

MATH 2411 Calculus I 3
 MATH 2412 Calculus II 3
 PHYS 2095 Physics I 4

Physical Ed/Health

ID 1225 or Phys Ed Activities 2-3

Humanities

HIST 1000 Hist. of Civil Soc. In Amer 3
 ENG 2403 World Literature 3
 General Education Requirement 3

Major Requirements

CHEM 1083 Chemistry I 4
 CHEM 1084 Chemistry II 4
 CHEM 3181-3 Org. Chemistry I/II/Lab 4
 CHEM 3182-4 Org. Chemistry II/Lab 4
 MATH 3451 Calculus III 3
 PHYS 2096 Physics II 4

Additional Requirements

Free Electives 3
 Free Electives (Math) 3

Total Transferable Credits 63-64

NOTES/COMMENTS

A 2.50 GPA for Joint Admission. * PHY 103-104 is recommended instead of PHY 101-102.

ESSEX COUNTY COLLEGE
TRANSFER ADVISEMENT EQUIVALENCY SHEET

CHEMISTRY AS

CHEMISTRY 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

MTH 121 Calculus w/A Geometry I _____ 4
MTH 122 Calculus w/A Geometry II _____ 4
PHY 101 College Physics I _____ 4

Physical Ed/Health

HLT 101 Healthful Living _____ 3

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
CHM 203 Organic Chemistry I _____ 4
CHM 204 Organic Chemistry II _____ 4
MTH 221 Calculus w/A Geometry III _____ 4
PHY 102 College Physics II _____ 4

Additional Requirements

CIS 107 Computer Literacy _____ 3

Total Credits Required 63-64

General Education Requirements

Communications

ENGL 101 English Composition I 3
ENGL 102 English Composition II 3

Social Science

Area B: Social Science 3
Area B: Social Science 3

Lab Science/ Math

MATH 192 Calculus w/A Geometry I 4
MATH 193 Calculus w/A Geometry II 4
PHYS 130/1130 College Physics I/Lab 4

Physical Ed/Health

Elective Credit 3

Humanities

Area D: Humanities 3
Area D: Humanities 3
Area C: Arts & Media 3

Major Requirements

CHEM 105/1105 General Chemistry I/Lab 4
CHEM 106/1106 General Chemistry II/Lab 4
CHEM 207 Organic Chemistry I 4
CHEM 208 Organic Chemistry II 4
MATH 292 Calculus w/A Geometry III 4
PHYS 131/1131 College Physic II/Lab 4

Additional Requirements

Area F: Quantitative & Computer Literacy 3

Total Transferable Credits 63-64

NOTES/COMMENTS

NJCU will transfer up to a maximum of 66 credits. Students may take MTH 222 as a free elective, it is a required course at NJCU (MATH 311)

ESSEX COUNTY COLLEGE
TRANSFER ADVISEMENT EQUIVALENCY SHEET

CHEMISTRY AS

CHEMISTRY BS

ECC Courses

Rutgers University Newark 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

MTH 121 Calculus w/Anal Geometry I _____ 4
MTH 122 Calculus w/Anal Geometry II _____ 4
PHY 101 College Physics I _____ 4

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
CHM 203 Organic Chemistry I _____ 4
CHM 204 Organic Chemistry II _____ 4
MTH 221 Calculus w/Anal Geometry III _____ 4
PHY 102 College Physics II _____ 4

Additional Requirements

Free Elective _____ 3

Total Credits Required 62-63

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

640:135 Calculus I 4
640:136 Calculus II 4
750:102 General Physics I/Lab 4

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
160:333/335 Organic Chemistry I 4
160:334/336 Organic Chemistry II 4
640:236 Calculus III 4
750:102 General Physics II/Lab 4

Additional Requirements

Free Elective 3

Total Transferable Credits 63-65

NOTES/COMMENTS

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