

ESSEX COUNTY COLLEGE
TRANSFER ADVISEMENT EQUIVALENCY SHEET

MATHEMATICS **AS**

MATHEMATICAL SCIENCES **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	Gen Psychology I	_____	3
SOC 101	Intro to Sociology	_____	3

Lab Science/ Math

MTH 121	Calc. w/ Geom. I	_____	4
PHY 103	General Physics I	_____	4
PHY 104	Gen. Physics II	_____	4

Physical Ed/Health

HLT 101	Healthful Living	_____	3
---------	------------------	-------	---

Humanities

HST 111	US History I	_____	3
ENG 215	Modern Lit. Mast.	_____	3
ART 100	Art Appreciation or	_____	3
MUS 100	Music Appreciation		

Major Requirements

MTH 122	Calc. w/ Geom. II	_____	4
MTH 221	Calculus w/ Geom. III	_____	4
Excess Calculus Credits		_____	
MTH 222	Differential Equations	_____	4
MTH 136	Discrete Math	_____	3
MTH 239	Intro to Linear Algebra	_____	3
CSC 121	Comp. Science I	_____	4

Additional Requirements

CSC 122	Comp. Science II	_____	4
ENG 109	Effective Speech	_____	3

General Education Requirements

Communications

ENG 1030	College Comp	3
GE 2024	Research & Tech	3

Social Science

PSY 1000	Gen Psychology	3
SOC 1000	Intro. To Sociology	3

Lab Science/ Math

MATH 2411	Calculus I	3
PHYS 2091	General Physics	3
	Laboratory Science	3

Physical Ed/Health

ID 1225	Issues Contemp. Health	3
---------	------------------------	---

Humanities

HIST 1000	Hst in Civil Soc. Amer.	3
ENG 2403	World Literature	3
FA 1000	Introduction to Art	3
MUS 1000	Music Survey	3

Major Requirements

MATH 2412	Calculus II	3
MATH 3451	Calculus III	3
MATH 3452	Calculus IV*	3
MATH 3455	Differential Equations	3
MATH 2110	Discrete Structures	3
MATH 2995	Matrix & Linear Algebra	3
CPS 1231	Computer Science I	3

Additional Requirements

CPS 2231	Comp. Org. & Prog. Lang	3
COMM 1402	Speech Communication	3

Total Credits Required **64-65**

Total Transferable Credits **64-65**

NOTES/COMMENTS:

Calculus I-II at ECC is equivalent to Calculus I-IV at Kean.