Columbus State Community College-Ohio State University Plan
AS Degree-BS Degree, Major in Mathematics
(Theoretical Track**)
Sample Four-Year (2 + 2) Graduation Plan

Freshman Year (CSCC)

Autumn Semester		Spring Semester	
English 1100	(3)	Social Science*	(3)
Mathematics 1151	(5)	Mathematics 1152	(5)
Social Science*	(3)	Visual/Performing Arts*	(3)
Natural Science (w/ lab)*	(4/5)	Historical Study*	(3)
COLS 1100	(1)	ASC 1190	(1)

Sophomore Year (CSCC)

Autumn Semester		Spring Semester	
English 2367	(3)	Literature*	(3)
Mathematics 2153	(5)	Natural Science*	(3/4/5)
Natural Science (w/ lab)*	(4/5)	Mathematics 2255	(4)
Historical Study or Culture and Ideas*	(3)	Mathematics 2568	(4)
		Elective (credits needed to meet minimum for AS degree)	(0-1)

*See list below for specific courses for these categories. Must have one Global Studies course.

Junior Year (OSU)

Autumn Semester		Spring Semester	
Mathematics 3345	(3)	Mathematics 4580	(3)
Statistics 4201 (4) or Mathematics 4530	(3)	Statistics 4202	(4)
Foreign Language 1101	(4)	Mathematics Seminar	(1)
General Education Open Option (w/global studies)	(3)	Foreign Language 1102	(4)
Elective	(3)	Elective	(3)
Arts and Sciences 1100.04	(0.5)		

Senior Year (OSU)

Autumn Semester		Spring Semester	
Mathematics 4581	(3)	Mathematics 4548	(3)
Mathematics 4547	(3)	Mathematics elective	(3)
Mathematics elective	(3)	Elective	(3)
Foreign Language 1103	(4)	Elective	(3)
Elective	(3)	Elective	(3)

CSCC General Education Requirements: Students should choose the General Education courses for the AS degree in consultation with their academic and faculty advisors.

OSU Mathematics Major:

** The choice of a track within the major should be determined in consultation with a Mathematics Advisor. For information about the various tracks and appropriate course choices, see www.math.osu.edu/ugadvising/majorsandminors.

- **Mathematics 3345** is prerequisite to Mathematics 4580 and to Mathematics 4547. Students planning to start course work at Ohio State in autumn semester and enroll in Mathematics 3345 in their first semester should apply to transfer to Ohio State as soon as possible and plan to attend an

early Orientation session. Students taking Math 2153 at Columbus State during the spring or summer should send proof of their grade in Math 2153 to the Math Advising Office, by e-mail (mathadvisors@math.osu.edu), or by fax (292-0167 or 292-1479). The advisors will help in registering for Math 3345, which fills up quickly with students already attending Ohio State.

- Students are required to complete a minimum of 6 semester hours of Math Electives. Requirements will vary for different tracks within the major, and credit hours for these courses may vary, so the actual number of courses required will depend on the specific track selected.
- **OSU General Education Requirements**: How a student completes these requirements will vary, depending on how he or she chose to complete the General Education requirements at Columbus State. Any General Education requirements not completed at Columbus State will need to be completed at Ohio State. Elective course work, if selected appropriately, can be used to pursue a minor. Students should consult with
    - an advisor in Arts and Sciences Advising, 100 Denney Hall (292-6961), to discuss appropriate and optimal course selections for General Education and to consider options for effective choice of electives;
    - the Math Advising Office (mathadvisors@math.osu.edu), to discuss appropriate course selections in the major.
- Students pursuing the BS must take at least 10 semester hours of Natural Science course work, with at least one course in the Physical Sciences with a laboratory component, and at least one course in the Biological Sciences with a laboratory component. Most students will take a minimum of three Natural Science courses to fulfill the 10 hour minimum.
- Students must take at least two courses in the Social Sciences; the two courses must not be from the same General Education subcategory. See the latest Arts and Sciences BS curriculum sheet for more details.
- For the Literature and Arts categories, no more than one course across the two categories can be from the area of the major. For the Social Science category, no more than one course can be from the area of the major. The GE Literature, Arts, and Social Science courses cannot be counted as part of the major.
- All programs in the College of Arts and Sciences require a minimum of 121 semester hours, including a minimum of 39 hours at or above the 3000 level.

Specific courses for * categories are listed below:

History

HIST 1111	European History to 1648 [OSU Global Studies HISTORY 1211]
HIST 1112	European History since 1649 [OSU Global Studies HISTORY 1212]
HIST 1151	American History to 1877 [OSU HISTORY 1151]
HIST 1152	American History since 1877 [OSU HISTORY 1152]
HIST 1181	World Civilization I: NonWestern to 1500 [OSU Global Studies HISTORY 1681]
HIST 1182	World Civilization II: NonWestern since 1500 [OSU Global Studies HISTORY 1682]
HIST 2223	African American History I before1877 [OSU HISTORY 2080]
HIST 2224	African American History II since [OSU HISTORY 2081]

Natural Science N = no lab

Biological Science Courses

BIO 1113	Biological Sciences I [OSU BIOLOGY 1113]
BIO 1114	Biological Sciences II (OSU BIOLOGY 1114]
BIO 1127	Environmental Science I [OSU ENR 2100]
BIO 2215	Introduction to Microbiology [OSU MICROBIO 4000]
BIO 2232	Human Physiology {OSU EEOB 2520]

Physical Science Courses

CHEM 1200 Introduction to General and Organic Chemistry [OSU CHEM 1110]
CHEM 1171 General Chemistry I [OSU CHEM 1210]
CHEM 1172 General Chemistry II [OSU CHEM 1220]
ESSH 2120 Environmental Aspects of Soil [OSU ENR 3000 – 3001]
GEOG 1900 Introduction to Weather and Climate [OSU GEOG 1900]
GEOL 1121 Physical Geology [OSU EARTHSC 1121]
GEOL 1122 Historical Geology [OSU EARTHSC 1122]
PHYS 1200 Algebra-based Physics I [OSU PHYSICS 1200]
PHYS 1201 Algebra-based Physics II [OSU PHYSICS 1201]
PHYS 1250 Calculus-based Physics I [OSU PHYSICS 1250]
PHYS 1251 Calculus-based Physics II [OSU PHYSICS 1251]

Social Science Courses – must take from two different categories

(1) Individuals and Groups

ANTH 2201 World Prehistory [OSU Global Studies ANTHROP 2201]
ANTH 2202 Peoples and Culture [OSU Global Studies ANTHROP 2202]
PSY 1100 Introduction to Psychology [OSU Social Diversity Course PSYCH 1100]
PSY 2261 Child Development [OSU HDFS 2410]
SOC 2210 Sociology of Deviance [OSU SOCIOL 2210]
SOC 2380 American Race and Ethnic Relations [OSU SOCIOL 2380]

(2) Organizations and Polities

ECON 2201 Principles of MacroEconomics [OSU ECON 2002.01]
POLS 1100 Introduction to American Government [OSU POLITSC 1100]
POLS 1200 Comparative Politics [OSU Global Studies POLITSC 1200]
SOC 1101 Introduction to Sociology [OSU Social Diversity Course SOCIOL 1101]

(3) Human, Natural, and Economic Resources

ECON 2200 Principles of MicroEconomics [OSU ECON 2001.01]
GEOG 2400 Economic and Social Geography [OSU Global Studies GEOG 2400]
GEOG 2750 World Regional Geography [OSU Global Studies GEOG 2750]
POLS 1300 International Relations [OSU Global Studies POLITSC 1300]

Cultures and Ideas

CLAS 1224 Classical Civilization: Greece [OSU Global Studies CLAS 2201]
CLAS 1225 Classical Civilization: Rome [OSU Global Studies CLAS 2202]
CLAS 1226 Classical Civilization: Byzantium [OSU Global Studies CLAS 2203]
HUM 1270 Comparative Religions [OSU Global Studies COMPSTD 2370]
ENGL 2270 Introduction to Folklore [OSU ENGLISH 2270]
PHIL 1101 Introduction to Philosophy [OSU PHILOS 1100]
PHIL 1130 Ethics [OSU PHILOS 1300]
PHIL 2270 Philosophy of Religion [OSU PHILOS 1850]

Visual and Performing Arts

ART 1205 Beginning Drawing [OSU ART 2100]
ART 1206 2 Dimensional Design [OSU ART 2300]
HUM 1160 Music and Art since 1945 [OSU ARTEDUC 1600]
HART 1201 History of Art I [OSU Global Studies HISTART 2001]
HART 1202 History of Art II [OSU Global Studies HISTART 2002]
HART 1260 World Cinema [OSU Global Studies HISTART 2901]
MUS 1251 Survey of Music History [OSU Global Studies MUSIC 2251]
THEA 1100 Introduction to Theatre [OSU Social Diversity course THEATRE 2100]
THEA 2280 Fundamentals of Acting [OSU THEATRE 2811]

Literature

CLAS 1222 Classical Mythology [OSU Global Studies CLAS 2220]
ENGL 2201 British Literature I [OSU Global Studies ENGLISH 2201]
ENGL 2220 Introduction to Shakespeare [OSU Global Studies ENGLISH 2220]
ENGL 2260 Introduction to Poetry [OSU ENGLISH 2260]
ENGL 2274 Introduction to NonWestern Literature [OSU ENGLISH 2275]
ENGL 2280 The English Bible as Literature [OSU ENGLISH 2280]
ENGL 2281 African American Literature [OSU Social Diversity Course ENGLISH 2281]

ENGL 2290	US Literature I [OSU ENGLISH 2290]
ENGL 2291	US Literature II [OSU ENGLISH 2291]