

COL	DEPT	Degree	MAJOR	Major Program	Specific Math Required	QR Ready Needed?
AG	AG	BS	AGBS	Agricultural Business	MATH 105	CHEM
AG	AG	BS	AGRI	Agriculture Science Ag Sci Ed or Agg Comm & Leadership	<i>No; Advise MATH 105</i>	CHEM
AG	AG	BS	ANSC	Animal Science Food Animal Production or Pre-Vet Science	MATH 105	CHEM
AG	AG	BS	PSSC	Plant & Soil Science Crops & Horticult or Land & Soil Resr Mgmt	MATH 105	CHEM
BSS	ANTH	BA	ANTH	Anthropology	No	No
BSS	CHLD	BA	CHLD	Child Development	No	No
BSS	POLS/CRIM	BA	CRIM	Criminal Justice	No	No
BSS	ECON	BA	ECON	Economics	MATH 105 or 108; 109/120/UDECON	No
BSS	GEOG	BA	GEOG	Geography Env Std or Landscp Std	No	No
BSS	PHHA	BA	HLSC	Health Services Administration	MATH 105	No
BSS	POLS/CRIM	BA	INTR	International Relations	No	No
BSS	MCGS	BA	CHLX	Intersectional Chicanx/Latinx Studies	No	No
BSS	MCGS	BA	MCGS	Multicultural and Gender Studies Gen or Wm's Std	No	No
BSS	POLS/CRIM	BA	POLS	Political Science U.S. Pols or Leg Std	No	No
BSS	PSYC	BA	PSYC	Psychology	No	No
BSS	POLS/CRIM	BA	PADM	Public Administration	No	No
BSS	PHHA	BA	PUHE	Public Health	MATH 105	No
BSS	SOSC	BA	SOSC	Social Science Multidisc Std or Spec Std	No	No
BSS	SWRK	BA	SWRK	Social Work	No	No
BSS	SOCI	BA	SOCI	Sociology	No	No
BUS	BADM	BS	BADM	Business Administration Acct, Ent & Sm Bus, Fina, HR, Mgmt, Mktg, Proj Mgmt	MATH 107 & MATH 108	No
BUS	BSIS	BS	BSIS	Business Information Systems Bus Ana, Mngt Info Syst, Oper & Supp Chain Mngt	MATH 107 & MATH 108	No
CME	CAGD	BS	CAGD	Computer Animation & Game Dev Anim Prod or Game Dev	No	No
CME	MADT	BFA	CDES	Comm Design	MATH 105	No
CME	CMSD	BS	CMSD	Communication Sciences & Disorders	MATH 105	No
CME	CMST	BA	CMST	Communication Studies Comm & Pub Aff or Org Comm	No	No
CME	KINE	BS	EXER	Exercise Physiology	MATH 105	CHEM
CME	JOUR	BA	JOUR	Journalism News or Pub Relations	No	No
CME	KINE	BA	KINE	Kinesiology PE Teacher Ed or Movement or Outdoor Ed	<i>No; Advise MATH 105</i>	No
CME	LBST	BA	LBST	Liberal Studies Gen, Biling/Cross-Cult, Mult Subj Cred, Lib Arts	MATH 110, 210, 310	No
CME	MADT	BA	MADT	Media Arts Criticism or Prod	No	No
CME	RHPM	BS	RHPM	Rec, Hosp & Parks Mgmt Evt Mgmt, Parks & Recr, Recr Thpy, Resort & Lodg Mgmt	No	No
ECC	MMEM	BS	AMAR	Advanced Manufacturing & Applied Robotics	MATH 119; MATH 105	CHEM
ECC	CIVL	BS	CIVL	Civil Engineer: Env & Water, Structural, Gen	MATH 120+	CHEM
ECC	EECE	BS	CMPE	Computer Engineering	MATH 120+	CHEM
ECC	CSCI	BS	CINS	Computer Information Systems	MATH 105; MATH 109/120/315	CSCI 111*
ECC	CSCI	BS	CSCI	Computer Science	MATH 120+	CHEM & CSCI 111*
ECC	CIMT	BS	CIMT	Concrete Industry Management	MATH 119; MATH 105	CHEM
ECC	CMGT	BS	CMGT	Construction Management	MATH 120	CHEM
ECC	EECE	BS	EENG	Electrical/Electronics Engineering	MATH 120+	CHEM
ECC	MMEM	BS	MECH	Mechanical Engineering	MATH 120+	CHEM
ECC	MMEM	BS	MECA	Mechatronic Engineering	MATH 120+	CHEM

College Dept	Degree	Major	Major2	Spec Math Required	QR Red Needed?	
HFA	ARTS	BA	ARTS	Art: Art Education	No	No
HFA	ARTS	BA	ARTS	Art: Art History	No	No
HFA	ARTS	BA	ARTS	Art: Art Studio	No	No
HFA	ARTS	BFA	ARTS	Art: Art Studio	No	No
HFA	ARTS	BFA	ARTS	Art: Interior Architecture	No	No
HFA	LANC	BA	ASST	Asian Studies	No	No
HFA	ENGL	BA	ENGL	English: English Education	No	No
HFA	ENGL	BA	ENGL	English: English Studies	No	No
HFA	ENGL	BA	ENGL	English: Literature	No	No
HFA	LANC	BA	GERM	German	No	No
HFA	HIST	BA	HIST	History General or SOSOC Pre-Cred	No	No
HFA	CORH	BA	HUMN	Humanities	No	No
HFA	LANC	BA	LAST	Latin American Studies	No	No
HFA	MUTA	BA	MIND	Music Ind & Tech Music Ind or Rec Arts	No	No
HFA	MUTA	BA	MUSC	Music Applied Music or Music Edu	No	No
HFA	MUTA	BFA	MUTA	Musical Theatre	No	No
HFA	PHIL	BA	PHIL	Philosophy	No	No
HFA	CORH	BA	RELS	Religious Studies	No	No
HFA	LANC	BA	SPAN	Spanish	No	No
HFA	MUTA	BA	THEA	Theatre Arts	No	No
NS	CHEM	BS	BCHM	Biochemistry	Math 120+	CHEM
NS	BIOL	BA	BIOL	Biology	Math 105	CHEM
NS	BIOL	BS	BIOL	Biology Cell & Molecular, Ecol, Evol, & Org, Plant	Math 105 & 130, 109 or 120	CHEM
NS	CHEM	BA	CHEM	Chemistry	Math 120+	CHEM
NS	CHEM	BS	CHEM	Chemistry	Math 120+	CHEM
NS	ERTH	BS	ENSC	Environmental Science App Eco, Atms & Clim, Ener & Earth Resr, Hydr	Math 109 or 120	CHEM
NS	ERTH	BS	GEOL	Geology	Math 109 or 120	CHEM
NS	MATH	BS	MATH	Mathematics Applied, Gen, Math Edu, Math Edu Cred, Stats	Math 120+	CSCI 111*
NS	BIOL	BS	MBIO	Microbiology Clinical Lab Sci or Gen	Math 105 & 130, 109 or 120	CHEM
NS	NUFS	BS	NUFS	Nutrition & Food Sciences Food & Nutr Comm, Nutr Mgmt, Gen Dietetics	Math 105	CHEM
NS	PHYS	BS	PHYS	Physics Gen or Prof Phys	Math 120+	CHEM
NS	NURS	None/BS	PNRS	Pre-Nursing/Nursing	Math 105	CHEM
NS	SCED	BS	NSCI	Natural Sciences Sci Edu	Math 118	CHEM
UNDC	UED	Non	UNDC	Undeclared	No	



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MAJOR2	100-level courses in major	Any FA or SP only 100-level
AGBS	ABUS 101; AGRI 180; CHEM 107; ECON 102; MATH 105; ANSC 101, PSSC 101, PSSC 250	
AGRI	ABUS 101; AGET 150; AGRI 180; ANSC 101; PSSC 101; ASNC 120 or 230; CHEM 107, CHEM 111	AGET 150F; ANSC 120S
ANSC	ABUS 101; ANSC 100; ANSC 101; MATH 105; CHEM 107, CHEM 111; CHEM 108, CHEM 112 An Pro- PSSC 101 or 250; Pre-Vet: BIOL 162; BIOL 163	
PSSC	ABUS 101; AGET 150; AGRI 180; MATH 105; PSSC 101; ANSC 101; CHEM 107, 111; CHEM 108, 112; BIOL 161, 162, 163, GEOG 101, PSSC 160	AGET 150F
ANTH	NO 100 LEVEL	
CHLD	PSYC 151; NFSC 100, SWRK 170	
CRIM	SWRK 170	
ECON	ECON 102; ECON 103; MATH 105, MATH 108; CSCI 111; MATH 109, MATH 120; MATH 121	
GEOG	GEOG 101; GEOG 102, GEOG 111, GEOG 139	
HLSC	MATH 105	
INTR	INTR 141; INTR 142; INTR 102	
CHLX	CHLX 157; MCGS 155	
MCGS	MCGS 155; WMST 170; MCGS 140, MCGS 145; AAST 152, AFAM 170, AIST 170, CHLX 157	MCGS 140S; MCGS 145F
POLS	LEGL 112, POLS 101; INTR 141, INTR 142	LEGL 112F
PSYC	PSYC 101	
PADM	NO 100 LEVEL	
PUHE	BIOL 104; MATH 105	
SOSC	DIFFERENT PATHWAYS	
SWRK	PSYC 101; SOCI 100; SWRK 170	
SOCI	SOCI 100	
BADM	ECON 102; ECON 103; MATH 107; MATH 108	
BSIS	ECON 102; ECON 103; MATH 107; MATH 108	
CAGD	CAGD 110; 112; 180; ARTH 110, 120, 130, ARTS 122, 123, 125, 126, CSCI 111, MADT 103W, 141, THEA 112; CAGD 117, 170	ARTH 110F; ARTH 120S
CDES	ARTH 150; ARTS 122; ARTS 123; ARTS 125; MADT 102; MATH 105; ARTH 120, ARTH 130	ARTH 120S
CMSD	CMSD 156; MATH 105; CHEM 100, CHEM 107, PHYS 100; ANTH 111, BIOL 102, BIOL 103, BIOL 104	
CMST	CMST 131; CMST 132	
EXER	BIOL 103; BIOL 104; KINE 105; MATH 105; CHEM 107 & 108, CHEM 111 & 112; BIOL 162	
JOUR	JOUR/MADT 101	
KINE	BIOL 104; PETE KINE 105; BIOL 103 or KINE 202; MOVE KINE 105; BIOL 103 or KINE 202; 100-level activity courses	
LBST	HIST 101; MATH 110; SCED 141; SCED 142... Bilingual CHLX 157 or 235	
MADT	JOUR/MADT 101; MADT 102; MADT 103W; MADT 104; MADT 141; MADT 146	MADT 104F
RHPM	NO 100 LEVEL	
AMAR	AMAR 160; CHEM 107; ECON 103; MATH 105; MATH 119; MECH 100; MECH 100L; MECH/MECA 140	
CIVL	CHEM 111; CIVL 101; CIVL 130; CIVL 140; CIVL 175; MATH 120; MATH 121; CHEM 112, ERTH 102	CIVL 101F; CIVL 130F; CIVL 140S
CMPE	CHEM 111; CSCI 111; EECE 101; EECE 144; MATH 120; MATH 121	EECE 101F
CINS	CSCI 111; MATH 105; MATH 109, MATH 120; ECON 103	
CSCI	CSCI 111; MATH 120; MATH 121; CHEM 107 or 111, CHEM 108, CHEM 112	
CIMT	CHEM 107; CIMT 101; CIMT 125; ERTH 102; MATH 105; MATH 119; ECON 103	CIMT 101F; CIMT 125S
CMGT	CHEM 107; CMGT 100; CMGT 105, CMGT 110; CMGT 135; ECON 103; MATH 120	
EENG	CSCI 111; EECE 101; EECE 144; MATH 120; MATH 121; CHEM 111	EECE 101F
MECH	AMAR 160; CHEM 111; MATH 120; MATH 121; MECH 100; MECH 100L; MECH/MECA 140	
MECA	AMAR 160; CHEM 111; CSCI 111; EECE 144; MATH 120; MATH 121; MECA/MECH 140; MECH 100 & 100L	

MAJOR3	100-level courses in major	Any fall or spring only 100-level
ARTS	ARTH 100; ARTS 122; 123; 125; 126	
ARTS	ARTH 110, 120, 130, 140, 150	ARTH 110F; ARTH 120S
ARTS	ARTS 122; 123; 125; 126; 195; ARTH 110, 120, 130, 140, 150	ARTS 195F; ARTH 110F; ARTH 120S
ARTS	ARTS 122; 123; 125; 126; 195; ARTH 110, 140, 150; 120, 130	ARTS 195F; ARTH 110F; ARTH 120S
ARTS	ARTH 130; ARTI 115; ARTS 122; 123; 125; ARTH 110, 140, 150	ARTI 115F; ARTH 110F
ASST	ASST/AAST 110W; RELS 110; JAPN 101; 102; ARTH 140; INST 110W	
ENGL	CMST 131; THEA 110	
ENGL	NO 100 LEVEL	
ENGL	NO 100 LEVEL	
GERM	GERM 101, GERM 102	
HIST	HIST 101; HIST 102... Pre-cred ECON 102; ECON 103	
HUMN	ARAB 101A, 102A, JAPN 101, 102, FREN 101, 102, GERM 101, 102, ITAL 101, 102, SPAN 101, 102	
LAST	LAST 110, LAST 120; SPAN 101, SPAN 102	
MIND	MUSC 101; 102; 103; 104; 105; 108; 118 MI: 12 ele units ECON 101, MADT 101, MUSC 110A-G, TECH 180 RA: MUSC 109	MUSC 101F, 103F, 105F, 102S, 104S, 106S
MUSC	MUSC 101; 102; 103; 104; 105; 106; 108; MUSC 110A-G...	MUSC 101F, 103F, 105F, 102S, 104S, 106S
MUTA	DANC 135; THEA 150; 160; 170; 180 (fall only but, requires 150 first); MUSC 110F	THEA 135F, 150F, 160F, 170S; 180F (FA only, req 150)
PHIL	PHIL 101, PHIL 104	
RELS	NO 100 LEVEL	
SPAN	SPAN 101, SPAN 102	
THEA	THEA 150; THEA 160; THEA 170; THEA 180	THEA 150F, 160F, 170S; 180F (FA Only, req 150)
BCHM	BIOL 162; CHEM 111; CHEM 112; MATH 120; MATH 121	
BIOL	BIOL 103; 104; 109; 161; 162; 163; CHEM 108; 111; 112; MATH 105 (*CHEM 107 may sub 111 or 112)	
BIOL	BIOL 109; 161; 162; 163; CHEM 111; 112; ENVL 105 or 105W; MATH 105 & 130 or 109, 120... Eco and Plant CHEM 108 or 270	
CHEM	CHEM 111; CHEM 112; MATH 120; MATH 121	
CHEM	CHEM 111; CHEM 112; MATH 120; MATH 121	
ENSC	BIOL 161; CHEM 111; CHEM 112; EARTH 102; 165; 170; MATH 109 or 120	ERTH 165F, EARTH 170S
GEOL	CHEM 111; EARTH 102; MATH 109 or MATH 120; MATH 121 or 315	
MATH	MATH 120; MATH 121; CSCI 111 or MATH 230	
MBIO	BIOL 109; 161; 162; 163; CHEM 111; 112; ENVL 105 or 105W; MATH 105 & 130 or MATH 109, 120	
NUFS	BIOL 104; CHEM 107; CHEM 108; MATH 105; NFSC 120; NFSC 122; NFSC 155	NFSC 122F
PHYS	CHEM 111; MATH 120; MATH 121; PHYS 109	PHYS 109F
PNRS	MATH 105; BIOL 103; BIOL 104; CHEM 107, CHEM 108, CHEM 111; PSYC 101; NFSC 100; ANTH 113, SOCI 100	
NSCI	BIOL 162; MATH 118; SCED 141; SCED 142; CHEM 107 or 111; EARTH 102, 170, 265; SCED 140; SCED options	ERTH 170S; SCED 143S
UNDC	Refer to GE areas	

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