

**IOWA STATE
ENGINEERING TRANSFER GUIDE**

Harper College	Name of Class	ISU class	Majors it will work for (blanks indicate it will not transfer)
CHM 121	GEN CHEM I:SCI MAJ	CHEM 177	All majors
	GEN CHM I SCI MJ LB	CHEM 177L	
CHM 122	GEN CHEM II:SCI MAJ	CHEM 178	Chemical, Civil, Materials
	GEN CHM II SC MJ LB	CHEM 178L	
CHM 204	ORGANIC CHEM I	CHEM 331	Chemical, Biological Systems
	ORGANIC CHEM I LAB	CHEM 333L	
CHM 205	ORGANIC CHEM II	CHEM 332	Chemical, Biological Systems
	ORGANIC CHEM II LAB	CHEM 334L	
CSC 121	COMPUTER SCIENCE I	COM S 1T31	
CSC 208	PROB SOLV US FORTRA	COM S 2T32	may count for Aerospace if EM 274 is also taken
ECO 211	MICROECONOMICS	ECON 101	Ok for all majors; required for Mechanical and Construction
EGR 120	ENGR GRAPHICS I	ENGR 170	Ag, Biological Systems, Civil, Construction, Mechanical, Materials
EGR 121	ENGR GRAPHICS II	ENGR 1T36	
EGR 122	INTRO TO CAD/GRAPH	ENGR 1T37	
EGR 150	STATICS	E M 274	Ok for all majors
EGR 170	ENGINEERING GRAPH I	ENGR 1T38	
EGR 210*	ANALYT MECH STATICS	E M 274	Aerospace, Ag, Biological Systems, Civil, Construction, Industrial, Materials, Mechanical
EGR 211*	ANALYT MECH DYNAMCS	E M 345	Aerospace, Ag, Biological Systems, Civil, Construction, Mechanical
EGR 212*	MECH DEFORMABLE BOD	E M 324	Aerospace, Ag, Biological Systems, Civil, Construction, Materials,
EGR 240*	THERMODYNAMICS	M E 330	Aerospace, Ag, Biological Systems, Industrial, Mechanical
EGR 260	INTRO CIRC ANALYSIS	E E 2T34	
EGR 262	ELEC CIRCUITS LAB	E E 2T35	
EGR 270	INTRO TO DIGIT SYST	CPR E 2T33	
ENG 101	COMPOSITION I	ENGL 150	all majors
ENG 102	COMPOSITION II	ENGL 250	all majors
MTH 200	CALCULUS I	MATH 165	all majors
MTH 201	CALCULUS II	MATH 166	all majors
MTH 202	CALCULUS III	MATH 265	all majors except Ag and Biological Systems and Software
MTH 212	DIFF EQUATIONS	MATH 267	all majors
PHY 201	GEN PHYS I-MECHANIC	PHYS 221	all majors
PHY 202	GEN PHYS2-HT,ELC,MG	PHYS 222	all majors except Environmental (part of Civil Engr)
PHY 203	GN PHY III-THRM/QNT	PHYS 2T39	
ACC 101	INTR FINANCIAL ACCT	ACCT 284	Civil, Construction, Industrial
ACC 211	BUSINESS LAW I	ACCT 215	Civil, Construction, Industrial

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SPE 101	FUND OF SP COMM	SP CM 212	Ag, Biological Systems, Civil, Industrial, Software
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*tech elective for other majors not listed