

HCC TRANSFER GUIDE

AA/EG

ENGINEERING

Completed Term	Hrs	Gr	Required Courses or Electives	Note	MSU NO.	Uniform HCC No.
	3		English Composition I		EN 1103	ENG 1113
	3		English Composition II		EN 1113	ENG 1123
	3		Public Speaking (Not required in Chemical or Civil Engineering but required for ALL HCC degrees)		CO 1003	SPT 1113
	3		Humanities Course	1		ENG (Prereq. for literature is Composition II, HIS, MFL, PHI)
	3		Humanities Course	1		
	3		Fine Arts		ART 1113, MUS 1113 CO 1503	ART 1113, MUS 1113, SPT 1213
	3		Social Science Course	2		ECO, GEO, PSC, PSY, SOC
	3		Social Science Course	2		
	4		General Chemistry I and Laboratory		CH 1213/11	CHE 1213 and CHE 1211
	4		General Chemistry II and Laboratory or Zoology or Botany [See note]	3	CH 1223	CHE 1223 and CHE 1221
	4		Physics with Cal. I & Lab		PH 2213	PHY 2313 & 2311
	4		Physics with Cal. II & Lab (Not required for computer and software majors)		PH 2233	PHY 2323 & 2321
	4		Physics with Cal. III & Lab (Spring semester)		PH 2223	PHY 2333 & 2331
	3		Calculus I		MA 1713	MAT 1613
	3		Calculus II		MA 1723	MAT 1623
	3		Calculus III (fall semester and first term summer)		MA 2733	MAT 2613
	3		Calculus IV (Spring semester and second term summer)		MA 2743	MAT 2623
	3		Differential Equations (Spring Semester)		MA 3253	MAT 2913
	3		Engineering Mechanics (Prereq: Physics with Calculus I and Calculus III (Spring semester))	7	EM 2413	EGR 2413
			Elective Hours to = 64 for graduation from HCC			
	2		In addition, students must take and receive credit for Orientation LLS - 1312.			LLS 1312

Notes:

- Each curriculum requires at least 2 courses in the humanities. These may be chosen from any of the humanities courses listed in the MSU core curriculum.
- Each curriculum requires at least 2 courses in the social sciences. Industrial majors MUST choose Economics II and Psychology. EPY courses **will not** satisfy the social science requirement in any engineering option.
- Satisfactory completion of General Chemistry I is a prerequisite. This course is required for Biological, Chemical, Civil, Industrial, and Mechanical Engineering majors. Biological majors must take Zoology I and lab. Computer Science, software, and chemical engineering majors must take Zoology I and Lab **or** Botany I and Lab.
- Requires credit in Calculus I. Linear is required in Computer Engineering, Computer Science, Electrical, Industrial, and Mechanical engineering. It is an excellent additional course for other majors, however. **Software Engineering majors may take EITHER Linear Algebra or Differential Equations.**
- Computer Engineering, Computer Science, Software, and Electrical Engineering majors take Programming I and II **or** C and C++. Biological majors take C or C++. Aerospace, Chemical, Civil, Industrial, and Mechanical majors take **no** computer courses.
- Graphics is required in the civil and industrial majors.

7. Mechanics is taught in spring semester only. Physics I and Calculus III are prerequisites for enrollment in this course. This course is not required for computer engineering, computer science, and software engineering majors.

Engineering majors who need additional courses to satisfy graduation requirements from HCC should work with their HCC advisor in the selection of those courses. This should be done in consultation with a current MSU catalog. Students should contact Robert Green, College of Engineering Undergraduate Coordinator, (662-325-2267 or green@enr.msstate.edu) for information about any engineering transfer question.

For information about enrollment at MSU, contact the Office of Admissions and Scholarships at 662-325-3076.

Because the total number of transfer hours varies among the various engineering majors, students should be aware that should they choose to stay at Hinds and earn the Associate of Arts degree, they may take some hours that will not transfer into their chosen program at Mississippi State University. Thus, they should take care to plan their schedules in advance of each semester's registration and consult with faculty in the science, computer science, and mathematics departments to find out if their required courses will be taught.