

Appendix A

ASU Bachelor of Science in Mechanical Engineering
Howard College Co-Enrollment Degree Plan

Howard College & Angelo State Co-Enrollment Degree Plan: Pre-Calculus							
Howard College Courses							
Howard College Fall Semester Year 1			sch	Howard College Spring Semester Year 1			sch
MATH 2412	Pre-Calculus	4		MATH 2413	Calculus I	4	
ENGL 1301	Composition I	3		ENGL 1302	Composition II	3	
HIST 1301	United States History I	3		HIST 1302	United States History II	3	
BIOL 1308/1108	Biology for Non-Science Majors I	4		CS 1336	Computer Science	3	
EDUC 1100	Learning Frameworks	1		Core Course	*Creative Arts	3	
	TOTAL	15			TOTAL	16	
Howard College Fall Semester Year 2			sch	Howard College Spring Semester Year 2			sch
<i>ENGR 1201</i>	<i>Intro to Engineering @ ASU</i> Howard Elective	2		<i>ENGR 1304</i>	<i>Engineering Graphics @ ASU</i> Howard Elective	3	
MATH 2414	Calculus II (online-Acadeum?)	4		MATH 2415	Calculus III (online- Acadeum?)	4	
CHEM 1311/1111	General Chemistry I <i>*Discuss ASU ITV/distance options</i>	4		PHYS 2325/2125	University Physics I <i>*Discuss ASU ITV/distance options</i>	4	
GOVT 2305	Federal Government	3		GOVT 2306	Texas Government	3	
Core Course	*Language, Philosophy & Culture	3					
	TOTAL	16			TOTAL	14	
Howard College Fall Semester Year 3			sch	ASU Spring Semester Year 3			sch
<i>ENGR 2301</i>	<i>Engineering Statics @ ASU</i> Howard Elective	3	T R A N S F E R	ENGR 2302	Engineering Dynamics	3	
PHYS 2326/2126	University Physics II <i>*Discuss ASU ITV/distance options</i>	4		ENGR 2318	Economics & Sust. of Infra.	3	
SPCH 1315	Public Speaking	3		ENGR 2332	Mechanics of Materials	3	
Core Course	*Social & Behavioral Sciences	3		ENGR 2305	Circuits	3	
	TOTAL	13		MATH 3324	Applied Math for Engineering	3	
					TOTAL	15	
TOTAL DEGREE HOURS							

*See core curriculum course options

Howard College & Angelo State Co-Enrollment Degree Plan: College Algebra							
Angelo State Courses							
ASU Fall Semester Year 4			sch	ASU Spring Semester Year 4			sch
MENG 2311	Thermodynamics	3		MENG 3411	Heat Transfer	4	
ENGR 3404	Fluid Mechanics	4		MENG 3351	Measurement & Instrumentation	3	
ENGR 3331	Engineering Materials	3		MENG 4xxx	Advanced Design Elective	3	
MENG 3xxx	MENG Elective	3		ENGR 4201	Professional Engineering Practice	2	
				MENG 4279	ME Senior Design I	2	
	TOTAL	13			TOTAL	14	
Senior Year							
ASU Fall Semester Year 5			sch				
MENG 4380	ME Senior Design II	3					
MENG 3441	Mechanisms & Dyn. of Mach.	4					
MENG 4xxx	Advanced Design Elective	3					
MENG 4xxx	Advanced Technical Elective	3					
	TOTAL	13					
				BSME Complete Total			132

Summers		
ASU		sch
ENGR 3305	Probability & Risk	3
	TOTAL	3