

REQUIRED BSME DEGREE ELECTIVES Students Entering FALL 11 OR AFTER

DEPARTMENT ELECTIVE

Must select 9 hours (3 courses) of departmental electives

The 9 hours of department electives can be satisfied (without prior approval) with any *junior* or *senior* level course from the **College of Engineering** (refer to the ME class schedule each semester for courses offered by our dept.

College of Business Administration

Department of Physics

Department of Biology

Department of Chemistry

Department of Math

Department of Geo-Science

Courses outside these areas MUST have prior approval from the ME department

MATH / SCIENCE ELECTIVE

Must select 3 hours (1 course) for the Math / Science elective

The 3 hours for the math / science elective can be satisfied (without prior approval) with any of the courses below:

PHYS 2402 Principles of Physics III	ASTR 1400 Solar Sys. Astronomy w/lab	MATH 2360 Linear Algebra
PHYS 3401 Optics	ASTR 1401 Stellar Astronomy	*Math 2360 will complete ME's students math minor
PHYS 3305/PHYS 3306 Elec & Magnetism	ATMO 3301 General Meteorology	MATH 3351 Higher Math / Engrs-Sci. II
PHYS 4304 Mechanics	ZOOL 2403 Human Anatomy & Physiology	MATH 4342/4343 Math Statistics
PHYS 4307 Intro / Quantum Mechanics	CHEM 1308 Principles of Chem II	MATH 4350/4351 Advanced Calculus
BIOL 1401 Biology of Plants	GEOL 1303 Physical Geology	MATH 4354 Differential Equations II
BIOL 1402 Biology of Animals	CHEM 3303 Intro Organic Chemistry	MATH 4356 Elem. Fnctn /Complex Vrbls
BIOL 1403 Biology I		

C O R E R E Q U I R E M E N T S

below requirements for core pertain to the ME degree only

6 hrs Political Science

(Must select 6 hours -2 courses)

POLS 1301 Am Govt, Organization

POLS 2302 American Public Policy

***Students with AP score of 3 or better, or who have earned an A or B in POLS 1301 may substitute POLS 2302 with any course from the below list:**

POLS 3323 Legislation	POLS 3339 Religion & Politics	POLS 3351 The Judicial Process	POLS 3360 US Foreign Policy
POLS 3325 Political Parties	POLS 3341 The Administrative Process	POLS 3352 Constitutional law-Powers	WS 3326 Women in Politics (POLS 3326)
POLS 3326 Women in Politics	POLS 3346 Public Policy Analysis	POLS 3353 Constitutional Law-Limitations	
POLS 3327 American Presidency			

American History

(Must select 6 hours -2 courses)-

HIST 2300 Hist of the US to 1877
HIST 2301 Hist of the US Since 1877

HIST 3310 Hist of Texas
HIST 3323/WS 3323 Hist of Women in America

****Juniors / Seniors may fulfill this requirement by completing 6 hours from the following American history courses:**

HIST 3313 The Old South	HIST 3321 Twentieth Century American West	HIST 3331 History of US Military Affairs to 1900	HIST 3332 History of US Military Affairs Since 1900
HIST 3314 The South Since the Civil War	HIST 3330 The Vietnam War		

Oral Speech

Must select 3 hours (1 course)

CH E 2306 Exposition/Tech. Info
CFAS 2300 Communication, Civility & Ethics

COMS 1300 Intro to Comm. Studies
COMS 2300 Public Speaking
COMS 3358 Bus./Prof. Comm

ENGR 2331 Prof Communication for Engrs
MGT 3373 Managerial Communication

Humanities Elective (Must select 3 hours -1 course)

When selecting the humanities electives make note that courses marked with an asterisk will also satisfy the multicultural – if questions or concerns, please verify courses with the department advisor, **credit for incorrect courses will not be approved!**

ANTH 2306 Anthropology at the movies	ENGL 2351-Intro Creative Writing	HIST 3341-Women in European Civilization (WS 3341)*	*PHIL 2350-Wrld Religions & Phil	*SLAV 3301 The Vampire in East European & West Culture
*ARAB 3305- Intro to Arab-Muslim Civilization	ENGL 2388-Intro to Film Studies	HONS 1301-Honors First-Yr Sem in Humanities	*PHIL 3301-Classical Greek Phil	*SPAN 3306 Intro to Hispanic Life, Culture
*ARCH 2311-Hist of World Arch c. 3000 BC to c 1600 AD	ENGL 2391-Intro Critical Writing	*HONS 2311 Sem in Int'l Affairs	*PHIL 3302-Asian Philosophy	SPAN 3307 Intro to Hispanic Lit
ASL 3312 Intro to Deaf Culture and Linguistics	ENGR 4392 -Engr Ethics & Its Impact on Society	HONS 3301- Honors Sem in Hum	PHIL 3303-Mod European Phil	*SPAN 3344 Mexican Life & Culture
CLAS 3302 -Classical Mythology	EVHM 1301 – The Natural History Tradition	HUM 2301 -Intro to Humanities	PHIL 3304-Existentialism & Phenomenology	*SPAN 3390 Hispanic Cult & Civ
CLAS 3303 -Sports & Public Spectacles in the Ancient World	FREN 3302 Major French Writers	HUM 2302 -Intro to Humanities	PHIL 3320-Intro to Political Philosophy (POLS 3331)	SPAN 3391 Hispanic Film in Translation
*CLAS 3320- World of Greece	*FREN 3390 French Culture	ITAL 3390 Italian Cinema	PHIL 3322 -Biomedical Ethics	SPAN 3392 Hispanic Lit in Translation
*CLAS 3330-World of Rome	*GERM 3301 German Culture & Society	JOUR 3350-Hist Am Journalism	PHIL 3324-Phil of Religion	*TURK 3307 Turkish Culture
*CLAS 3350 –Comp Mythology	GERM 3304 Intro to Lit	*LAIS 2300 -Latin America & Iberia: An Interdisciplinary Introduction	PHIL 3332-Feminism & Phil	VPA 3301-Critical Issues-Arts & Culture
*COMS 3311-Rhetoric- Wstrn Thought	*GERM 3306 Cont Germany	*LAIS 3300-Topics in Latin American & Iberian Studies	PHIL 3341-Philosophy of Lit	WS 2300-Intro to Women's Studies
COMS 3318-Persuasion & Social Movements	*GERM 3312 Lit of the Holocaust	*LAIS 4300 -Sem in Latin Am - Iberian Studies	PHIL 3342-Philosophy & Film	WS 3341-Women in European Civilization (HIST 3341)
ENGL 2305-Intro to Poetry	*GERM 3313 Northern Myths & Legends	*LARC 3302 -Dev Landscape Architecture	PORT 3307 Luso-Brazilian Civ & Lit	
ENGL 2306-Intro to Drama	HIST 1300-Western Civilization I	NHH 1301 -Nat Hist Tradition	*RUSN 3301 Russian Civ through Lit in the 19th Century	
ENGL 2307-Intro to Fiction	HIST 1301-Western Civilization II	PHIL 2300-Beginning Philosophy	*RUSN 3302 20th Century Russian Civ through Lit in Translation	
ENGL 2308-Intro to Nonfiction	*HIST 2322-World Hist to 1500	PHIL 2320-Intro to Ethics	*RUSN 3304 Russian Culture	
	HIST 2323-World Hist Since 1500			

Visual & Performing Arts Elective (Must select 3 hours -1 course)

When selecting the visual performing arts electives make note that courses marked with an asterisk will also satisfy the multicultural – if questions or concerns, please verify courses with the department advisor, **credit for incorrect courses will not be approved!**

ANSC 2310 – The Horse in World Art	*DAN 4301-World Dance Forms	MUAP 1123-Group Keyboard Instruction I	MUEN 3103 -Band	MUHL 1308 –Music in Western Civilization
ARCH 2315-Hist 18 th , 19 th , & 20 th , Century Architecture	EMC 3308 -Visual Comm	MUAP 1124-Group Keyboard Instruction II	MUEN 3104 -Orchestra	MUHL 3304 -History of Jazz
ART 1302 -Design Introduction	HONS 1304-Honors First-Yr Seminar in Fine Arts	MUAP 2123-Group Keyboard Instruction III	MUEN 3105 -Jazz Ensemble	MUHL 3310-Hist of Rock & Roll
ART 1303 -Drawing Introduction	*HONS 2314 Honors Sem - Intl Cinema	MUAP 2124-Group Keyboard Instruction IV	MUEN 3106 -Small Ensemble	MUSI 2301 -Ess Elmnts of Music
*ART 1309 -Art Appreciation	HONS 3304-Hon Sem/Fine Arts	MUEN 3101 -Choir	MUEN 3110 -Medium Ensemble	MUTH 1300 -Songwriting
*ARTH 1301- Art Hist Survey I	HONS 3305 –European Fine Arts	MUEN 3102 -Music Theatre	MUEN 3201 -University Choir	THA 2301-Introduction to Acting
*ARTH 2302- Art Hist Survey II	ITAL 3315 –Italian Filmmakers	MUEN 3102 -Music Theatre	MUEN 3202 -Music Theatre	THA 2302 -Principles of Acting I
DAN 3313 -Dance History			MUEN 3203 -Band	THA 2303-Theatre Appreciation
			MUEN 3204 -Orchestra	THA 2304 -Intro to Cinema

Multicultural Elective (Must select 3 hours -1 course)

AAEC 4309 - Sust Glbl Eco, Nat Res & Eco	COMS 3332 - Intercultural Comm	GERM 4305 – Readings/ Germ Lang & Lit	LAIS 3300 – Topics/ Latin Am & Iberian Studies	RUSN 3302 -20th Century Russian Civ/ Lit Translation
ADM 3312 - Hist & Philosophy of Dress	DAN 4301 - Wrld Dance Frms	HDFS 3350 – Dev/ Cross-Cultural Perspective	LAIS 4300 – Sem- Latin American & Iberian Studies	RUSN 3304-Russian Culture
AGED 2300 - Intro. to Ag Edu	EDEL 2300 - Schools, Society, & Diversity	HIST 2322 - World Hist to 1500	LARC 3302 -Dev / Landscape Architecture	RUSN 4301- Great Russian Realists: Tolstoy & Dostoevsky
ANTH 1301 - Understanding Multicultural America	EDSE 2300 - Schools, Soc, & Div Am	HIST 3306 – African/ Am Hist - 1877	MGT 4375 – Intl Mgt	RUSN 4302-Cont Russian Lit in Translation
ANTH 2302 - Cultural Anthropology	ENGL 2371 - Lang - Multicultural Am	HIST 3307 – African/ Hist From 1877 to Present	MKT 4358 –Intl Marketing	SLAV 3301- Vampire in East European & West Culture
ARAB 3305-Intro to Arab-Muslim Civilization	ENGL 3335 - Ancient & Medieval World Lit	HIST 3311 - Soc & Cult Hist - Southwest	MUHL 2301 -Hist of Music	SOC 1301 Intro to Sociology
ARCH 2311 - Hist - Wrld Arch c. 3000 B.C. to c. 1600 A.D.	ENGL 3336 - Early Mod World Lit	HIST 3318 - Plains Indians	NS 4380-Cult Aspects-Food	SOC 3324-Am Minority Prob.
ARCH 4311 - Arch - Nonwestern Soc	ENGL 3337 - Mod & Cont World Lit	HIST 3325 – Hist/ Mexican Americans in the U.S.	PHIL 2350 -World Religions & Philosophy	SPAN 3306-Intro. to Hisp Life & Culture
ART 1309 - Art Appreciation	ENGL 3387 - Multicultural Lit of America	HIST 3326 – Hist/ Native Americans in the U.S.	PHIL 3301-Classical Greek Phil	SPAN 3344 -Mexican Life & Culture
ARTH 1301- Art Hist Survey I	ENGL 3390 - Lit of the SW	HIST 3381 - Col Latin Am	PHIL 3302-Asian Phil	SPAN 3390-Hispanic Culture & Civilization
ARTH 2302- Art Hist Survey II	ESS 3354 - Sprts-World Cultures	HIST 3382 - Mod Latin Am	POLS 3361-Intl Politics	SPAN 4332-Civilización Hispánica: Hispanic Civilization
ASL 3312 - Intro to Deaf Culture & Linguistics	FIN 4328 – Intl Finance	HIST 3383 - Hist of Brazil	POLS 3364-Comparative Foreign Policy	SPAN 4335 -Internship in Spanish
CFAS 2360 Diversity in Community, Family & Addictive Services	FREN 3390 - French Culture	HIST 3389 - British Empire, 1783 to Present	POLS 3371-Comp Politics	SPAN 4344 -Contemporary Mexico
CLAS 3303 - Sports & Public Spectacles - Ancient World	FREN 4322 - Civilization Française: French Civ	HIST 3395 - Africa: Empires & Civilizations	POLS 3372-Govt- Russia & Commonwealth/ Indp States	SPAN 4360-Mexican American Lit
CLAS 3320 - World of Greece	GEOG 2300 - Intro/Hum Geog	HIST 3396 - Africa: Rev & Nationalism Since 1800	POLS 3373 -Govt of Western Europe	SPAN 4361-Spanish / SW
CLAS 3330 - World of Rome	GEOG 2351 - Reg Geog /World	HIST 3398 - Mod Middle East, 1800 – Present	POLS 3374-Govt of Mexico & the Caribbean	SW 3331 -Social Work-Diverse Populations
CLAS 3350 - Comp Mythology	GEOG 3360 -Tech & Human Landscape	HONS 2311 Sem in Intl Affairs	POLS 3375 -So Am Govts	THA 3308-Hist Theatre I
CLT 4305 – Cont Theories - Cultural Meaning	GEOG 3363 - Geog of S. Am	HONS 2314 Honors Sem in Intl Cinema	POLS 3376 -Asian Govts & Politics	THA 3309-Hist- Theatre II
COMS 3311 – Rhetoric- West Thought	GERM 3301 - German Culture & Society	ID 3382-Period Furnishings I	PSY 3398-Ethnic Minority Psychology	TURK 3307 -Turkish Culture
	GERM 3306 - Cont Germany	LAIS 2300 -Latin America & Iberia: An Interdiscpl Intro	RHIM 3350-Travel & Tourism	
	GERM 3312 – Lit- the Holocaust		RTL 3340 Int'l Retailing	
	GERM 3313 - Northern Myths & Legends		RUSN 3301 -Russian Civ – Lit/19th Century	