

Texas Tech University

Whitacre College of Engineering

Bachelor of Science in Mechanical Engineering

Last Update:

June 2011

First Year

Fall			Spring		
	SPC Course	Hrs		SPC Course	Hrs
<input type="checkbox"/> MATH 1351 Calculus I	MATH 2413	3	<input type="checkbox"/> MATH 1352 Calculus II	MATH 2414	3
<input type="checkbox"/> CHEM 1307 Principles of Chemistry I	CHEM 1411	4	<input type="checkbox"/> PHYS 1408 Physics I	PHYS 2425	4
<input type="checkbox"/> CHEM 1107 Principles of Chemistry I Lab	"		<input type="checkbox"/> ENGL 1302 Composition II	ENGL 1302	3
<input type="checkbox"/> ENGL 1301 Composition I	ENGL 1301	3	<input type="checkbox"/> E GR 1206 Engineering Graphics	ENGR 1304	3
<input type="checkbox"/> ENGR 1315 Intro to Engineering	ENGR 1201	2	<input type="checkbox"/> HIST 2301 American History from 1876	HIST 1302	3
<input type="checkbox"/> HIST 2300 American History to 1876	HIST 1301	3		TOTAL	15
	TOTAL	16			

Second Year

Fall			Spring		
	SPC Course	Hrs		SPC Course	Hrs
<input type="checkbox"/> MATH 2350 Calculus III	MATH 2315	3	<input type="checkbox"/> MATH 3350 Differential Equations	MATH 2320	3
<input type="checkbox"/> PHYS 2401 Physics II	PHYS 2426	4	<input type="checkbox"/> ME 2322 Thermodynamics I	@ Tech	3
<input type="checkbox"/> ECE 3301 Circuits Analysis	@ Tech	3	<input type="checkbox"/> ME 2301 Statics	ENGR 2301	3
<input type="checkbox"/> ME 2311 Materials Science	@ Tech	3	<input type="checkbox"/> ME 2315 Computer Aided Analysis	COSC 1415	3
<input type="checkbox"/> POLS 2301 American Govt., Organization	GOVT 2301	3	<input type="checkbox"/> POLS 2302 American Govt., Functions	GOVT 2302	3
	TOTAL	16	<input type="checkbox"/> COMS 1300 Speech Communications	SPCH 1321	3
				TOTAL	18

Third Year

Fall			Spring		
	SPC Course	Hrs		SPC Course	Hrs
<input type="checkbox"/> ME 3403 Mechanics of Solids	@ Tech	4	<input type="checkbox"/> MATH 3342 Math Statistics for Engineers	MATH 2342	3
<input type="checkbox"/> ME 3165 CFD Lab	@ Tech	1	<input type="checkbox"/> ME 3333 Systems & Vibrations	@ Tech	3
<input type="checkbox"/> ME 3322 Thermodynamics II	@ Tech	3	<input type="checkbox"/> Department Elective	@ Tech	3
<input type="checkbox"/> ME 3302 Dynamics	ENGR 2302	3	<input type="checkbox"/> ME 3365 Intro to Design	@ Tech	3
<input type="checkbox"/> ME 3370 Fluid Mechanics	@ Tech	3	<input type="checkbox"/> ME 3164 Finite Analysis Lab	@ Tech	1
<input type="checkbox"/> ME 3228 Materials & Mechanics Lab	@ Tech	2	<input type="checkbox"/> ME 3371 Heat Transfer	@ Tech	3
	TOTAL	16		TOTAL	16

Fourth Year

Fall			Spring		
	SPC Course	Hrs		SPC Course	Hrs
<input type="checkbox"/> ME 4334 Control of Dynamic Systems	@ Tech	3	<input type="checkbox"/> Math or Science Elective	@ Tech	3
<input type="checkbox"/> ME 4234 Controls Lab	@ Tech	2	<input type="checkbox"/> ME 4371 Design II	@ Tech	3
<input type="checkbox"/> ME 4370 Design I	@ Tech	3	<input type="checkbox"/> IE 3301 Engineering Economics	@ Tech	3
<input type="checkbox"/> ME 3251 Thermal-Fluids Lab	@ Tech	2	<input type="checkbox"/> Department Elective	@ Tech	3
<input type="checkbox"/> Humanities Elective	**	3	<input type="checkbox"/> ART 1309 Art History I*	*	3
<input type="checkbox"/> Department Elective	@ Tech	3		TOTAL	17
	TOTAL	16			

Substitution Options:

* Visual/Performing Arts electives (Arts 1301, 1303, or 1304 meet TTU multicultural requirement also)

** Humanities/Multicultural electives

TTU Advisor Contact:

Tonette Rittenberry
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<http://www.depts.ttu.edu/coe/>

SPC Advisor Contact:

Courses of "D" are unlikely to transfer to this major. Students are required to maintain a GPA of 2.75 or higher to take upper division business coursework.

Transfer Check Sheets are intended as an advising tool and starting point for transfer research. Other options such as substitutions or specializations are not listed. We highly recommend working with an advisor (contact information listed above) and using the research resources available to you to fill the gaps and double check the information provided. Degree requirements are subject to change at any time.

Notes: