



RECEIVED OCT 15 2007

Mechanical Engineering Technology

• New course:

- MECT 1330: Engineering Graphics. Replaces CNST 1330 which is being realigned to serve the CM program.

APPROVED APR 16 2008

Proposed Fall 2008 degree plan reflects the following:

1. MATH 1310 will no longer be a requirement. This will align the MET program with the CET and EPET degree plans. The total required MATH hours will become 11 and the student will gain more hours through the placement exam.
2. TECH 1313 will become a recommended Social Science elective, although the students would have the option to take others.
3. CNST 3312 – Project Finance and Economics will become a requirement (replacing the 3 credits from MATH). MET and CM Program faculty are reconsidering the name of the course.
4. MECT 1330 will replace the CNST 1330 requirement.

University Core Curriculum

42 semester hours

Communication (6 semester hours)

ENGL 1303. English Composition I

ENGL 1304. English Composition II

Writing in the Disciplines (3 semester hours)

See individual degree plans

History (6 semester hours)

HIST 1377, 1378

American Government (6 semester hours)

POLS 1336, 1337

Social and Behavioral Sciences (3 semester hours)

See individual degree plans

Humanities (3 semester hours)

Three semester hours selected from
core approved list

Visual/Performing Arts (3 semester hours)

Three semester hours selected from
core approved list

Mathematics

(6 semester hours)

See individual degree plans

Natural Sciences (6 semester hours)

See individual degree plans

**Mechanical Engineering Technology
Requirements**

MECT 1330. Engineering Graphics

MECT 1364. Materials and Processes I

MECT 2354. Introduction to Mechanics

MECT 3318, 3118. Fluid Mechanics
Applications, Laboratory

MECT 3331. Applied Thermodynamics

MECT 3341. Computer-Aided Drafting I

MECT 3342. Computer-Aided Drafting II

MECT 3355, 3155. Strength of Materials,
Laboratory

MECT 3358. Dynamics of Mechanisms

MECT 3360. Automated Manufacturing
Systems

MECT 3365. Computer-Aided Design I

MECT 3367. Quality Control Technology

MECT 4372, 4172. Materials Technology,
Laboratory

MECT 4275, 4276. Senior Design Project I,
Senior Design Project II

Computer-Aided Design and Manufacturing
Electives (9 SH)

MECT 3362. Industrial Work Measurement

MECT 4323. Applications in Stress Analysis

MECT 4350. Principles in Mechatronics

MECT 4365. Computer-Aided Design II

MECT 4384. Manufacturing Systems Control

3 SH Mechanical Elective

Program Requirements:

CNST 3312. Project Finance and Economics

CHEM 1301, 1101. Foundations of Chemistry I,
Laboratory

ELET 2307. Electrical-Electronic Circuits

TELS 3340. Organizational Leadership and
Supervision

or

HDCS 3300. Organizational Decisions
in Technology

TELS 3363. Technical Communications

COSC 1304. C Programming

or

ELET 2300. Introduction to C++
Programming

Free electives (3 semester hours)

**General Technology and College Core
Requirements:**

Math 11 semester hours which includes university core)

Students are required to have credit for College Algebra through the Math Placement Exam, CLEP or completion of the course.

MATH 1330. Precalculus

MATH 1431. Calculus I

MATH 1432. Calculus II

Natural Sciences (8 semester hours which includes university core)

PHYS 1301, 1101. Introductory General Physics I, Laboratory

PHYS 1302, 1102. Introductory General Physics II, Laboratory

Social Sciences (3 semester hours)

TECH 1313. Impact of Modern Technology on Society (preferred)

Degree awarded: Bachelor of Science

Major: Mechanical Engineering Technology

UNIVERSITY of HOUSTON
COLLEGE of TECHNOLOGY

ENGINEERING TECHN
BACHELOR of SCIENC

NAME _____

UHID _____

UNIVERSITY CORE REQUIREMENTS (49 SH)

	GR	SH	AH
Communication (6 SH)			
ENGL 1303 English Composition I	_____	_____	_____
ENGL 1304 English Composition II	_____	_____	_____

Writing in the Disciplines* (3 SH)

History/Government (12 SH)

HIST 1376 or 1377 US History to 1867	_____	_____	_____
HIST 1378 or 1379 US History since 1867	_____	_____	_____
POLS 1336 US & TX Const/Politics	_____	_____	_____
POLS 1337 US Government	_____	_____	_____

Humanities (3 SH)

Visual/Performing Arts* (3 SH)

Social/Behavioral Sciences* (3 SH)

TECH 1313 Impact Modern Tech. On Society (preferred)	_____	_____	_____
--	-------	-------	-------

Mathematics (11 SH)

MATH 1330 Elem Functions	_____	_____	_____
MATH 1431 Calculus I	_____	_____	_____
MATH 1432 Calculus II	_____	_____	_____

Natural Sciences (8 SH)

PHYS 1301/1101 Intro. Gen. Phys I & Lab	_____	_____	_____
PHYS 1302/1102 Intro. Gen. Phys II & Lab	_____	_____	_____

DEPARTMENTAL & COLLEGE REQUIREMENTS

General Technology and College Core (19 SH)

CHEM 1301/1101 Found of Chem I & Lab	_____	_____	_____
ELET 2307 Ele-Elc Circuits	_____	_____	_____
TELS 3340 Org Leadership & Supervision	_____	_____	_____
Or HDCS 3300 Orgnztnl Decisions in Tech.	_____	_____	_____
TELS 3363 Technical Communication	_____	_____	_____
ENST 3312 Project Finance & Economics	_____	_____	_____
ELET 2300 Intro C++ Programming OR	_____	_____	_____
COSC 1304 C Language Programming	_____	_____	_____

Refer to class schedule for lists of courses which satisfy University requirements.

Students are required to have credit for College Algebra through the Math Placement Exam, CLEP or completion of the course.

MAJOR REQUIREMENTS (46 SH)

	GR	SH	AH
MECT 1330 Engineering Graphics	_____	_____	_____
MECT 1364 Materials & Processes I	_____	_____	_____
MECT 2354 Intro to Mechanics	_____	_____	_____
MECT 3318 Fluid Mechanics Appl.	_____	_____	_____
MECT 3118 Fluid Mechanics Appl Lab	_____	_____	_____
MECT 3331 Applied Thermodynamics	_____	_____	_____
MECT 3341 Computer-Aided Drafting I	_____	_____	_____
MECT 3342 Computer-Aided Drafting II	_____	_____	_____
MECT 3355 Strength of Materials	_____	_____	_____
MECT 3155 Strength of Mat. Lab	_____	_____	_____
MECT 3358 Dynamics of Mechanisms	_____	_____	_____
MECT 3360 Automated Manuf. Sys.	_____	_____	_____
MECT 3365 Computer-Aided Design I	_____	_____	_____
MECT 3367 Quality Control Tech.	_____	_____	_____
MECT 4372 Materials Technology	_____	_____	_____
MECT 4172 Materials Tech. Lab	_____	_____	_____
MECT 4275 Senior Design Project I	_____	_____	_____
MECT 4276 Senior Design Project II	_____	_____	_____

COMPUTER-AIDED DESIGN & MANUFACTURING ELECTIVES (9 SH)

MECT 3362 Industrial Work Measurement	_____	_____	_____
MECT 4323 Apps in Stress Analysis	_____	_____	_____
MECT 4350 Principles in Mechatronics	_____	_____	_____
MECT 4365 Computer-Aided Design II	_____	_____	_____
MECT 4384 Manufacturing Sys. Control	_____	_____	_____
MECT 3363 Mechanical Elective	_____	_____	_____

Free Electives (3 SH)

36 advanced (3000- or 4000-level) semester hours must be completed.

TSI requirements must be met.

For graduation with Honors, see Undergraduate Catalog.

Total hours required: 126 semester hours

Student _____ Date _____

Advisor _____ Date _____

Department Chair _____ Date _____

MECHANICAL ENGINEERING TECHNOLOGY (MET)

UNIVERSITY of HOUSTON
COLLEGE of TECHNOLOGY

ENGINEERING TECHNOLOGY
BACHELOR of SCIENCE

*REPLACES
PAGE 5 OF
UC 968707F*

NAME _____

UHID _____

UNIVERSITY CORE REQUIREMENTS (49 SH)

GR SH AH

Communication (6 SH)

ENGL 1303 English Composition I _____
ENGL 1304 English Composition II _____

Writing in the Disciplines* (3 SH)

History/Government (12 SH)

HIST 1376 or 1377 US History to 1867 _____
HIST 1378 or 1379 US History since 1867 _____
POLS 1336 US & TX Const/Politics _____
POLS 1337 US Government _____

Humanities (3 SH)

Visual/Performing Arts* (3 SH)

Social/Behavioral Sciences* (3 SH)

TECH 1313 Impact Modern Tech. On Society _____
(preferred)

Mathematics (11 SH)

MATH 1330 Elem Functions _____
MATH 1431 Calculus I _____
MATH 1432 Calculus II _____

Natural Sciences (8 SH)

PHYS 1301/1101 Intro. Gen. Phys I & Lab _____
PHYS 1302/1102 Intro. Gen. Phys II & Lab _____

PROGRAM REQUIREMENTS

General Technology and College Core (19 SH)

CHEM 1301/1101 Found of Chem I & Lab _____
ELET 2307 Ele-Elc Circuits _____
TELS 3340 Org Leadership & Supervision _____
Or HDCS 3300 Orgnztnl Decisions in Tech.
TELS 3363 Technical Communication _____
CNST 3312 Project Finance & Economics _____
ELET 2300 Intro C++ Programming **OR** _____
COSC 1304 C Language Programming _____

Free Electives (3 SH)

MAJOR REQUIREMENTS (46 SH)

GR SH AH

MECT 1330 Engineering Graphics _____
MECT 1364 Materials & Processes I _____
MECT 2354 Intro to Mechanics _____
MECT 3318 Fluid Mechanics Appl. _____
MECT 3118 Fluid Mechanics Appl Lab _____
MECT 3331 Applied Thermodynamics _____
MECT 3341 Computer-Aided Drafting I _____
MECT 3342 Computer-Aided Drafting II _____
MECT 3355 Strength of Materials _____
MECT 3155 Strength of Mat. Lab _____
MECT 3358 Dynamics of Mechanisms _____
MECT 3360 Automated Manuf. Sys. _____
MECT 3365 Computer-Aided Design I _____
MECT 3367 Quality Control Tech. _____
MECT 4372 Materials Technology _____
MECT 4172 Materials Tech. Lab _____
MECT 4275 Senior Design Project I _____
MECT 4276 Senior Design Project II _____

COMPUTER-AIDED DESIGN & MANUFACTURING ELECTIVES (9 SH)

MECT 3362 Industrial Work Measurement _____
MECT 4323 Apps in Stress Analysis _____
MECT 4350 Principles in Mechatronics _____
MECT 4365 Computer-Aided Design II _____
MECT 4384 Manufacturing Sys. Control _____
MECT _3_ Mechanical Elective _____

36 advanced (3000- or 4000-level) semester hours must be completed.

TSI requirements must be met.

*Refer to class schedule for lists of courses which satisfy University requirements.

For graduation with Honors, see Undergraduate Catalog.

Total hours required: 126 semester hours

Student _____ Date _____

Advisor _____ Date _____

Department Chair _____ Date _____

* Students are required to have credit for College Algebra through the Math Placement Exam, CLEP or completion of the course.