

Catalog 2010-2011: Bachelor of Science Engineering Technology

Major: Electronic and Computer Engineering Technology

Freshman Year

Sophomore Year

Junior Year

Senior Year

HED Common Core (credit count needed)

With Recommendations

College Level English(3)
Engl 111

Oral Communication(3)
Comm 265

College Level Composition(3)
Engl 218G

Social Behavioral Sciences (6)

Humanities And Fine Arts(6)

Soci Behavioral (3)
Or
H And Fine Arts(3)

**Program Requirements fulfilling HED
Laboratory Science and Math Areas**

Approved Basic science(4)

Physics 211 and lab(4)

Physics 212 and lab(4)

Math 190 Pre Calc (4)

Math 235 Calc for Tech (3)

Math 236 Calc 2 for Tech (3)

Program Requirements

ET 101 Introduction to ET

ET 190 Applied Circuits

ET 246(sp) Electronic Devices I

ET 182 Digital Logic

ET 191L Applied Circuits Lab

ET 282(f) Digital Electronics

ET 160 or Free Elective For Transfers

ET 120 Computational and Presentation Software

ET 262 Software Technology I

Math 190

ET 362(sp) Software Technology II

ET 302 Manufacturing Data Analysis

ET 272 (f) Electronic Devices II

ET 314(f) Comm. Systems 1

ET 398(f) Digital Systems

Viewing the Wider World Elective Business

Approved Technical Elective (3)

ET 324 (sp) Linear Integrated

ET 182

ET 377 (f) Computer Networking 1

ET 344 (sp) Microcomputer Systems

Viewing the Wider World Elective

Approved Technical Elective (3)

CE 450 Engineering Econ and Law

Approved Technical Elective (3)

ET 410 Senior Seminar

ET 402 Instrumentation

ET 381(sp) Renewable Energy Technology

ET 444(sp) Hardware/Software Design

ET 462 (f) Remote Access And Op Systems

f - fall only course
sp - spring only course

Pre-requisite
→

Co / Pre-requisite
→

**Electronics & Computer
Engineering Technology
Advising and Registration Guide 2009**

Step 1.

Pick up your registration materials in the ET Office (EC3-130) consisting of (1) the Schedule of Classes, (2) a course request card, and (3) a list of Humanities and Social Sciences courses (4) a list of ECET approved technical electives. You should print and review an advising copy of your transcript/degree plan via **STARS**.

Step 2.

Draft a schedule, keeping in mind the following:

(a) Use the prerequisite flowchart on the back of this guide to check prerequisites and co-requisites and identify long course sequences that can affect the number of semesters required to complete your program.

(b) Be aware that these courses are offered **Spring Only**: ET 246, 324, 344, 374, 381, 382, 415, 444, 458, 477, and 482. These courses are **Fall Only**: ET 272, **282**, 304, 314, 365, 377, 384, 386, 398, 456, 457, and 462.

(c) See the list of approved technical electives!
Spring technical electives: ET 300, 374, **381, 382**, 415, 458, 477, and 482. Note: not every class is always offered each semester.

(d) Fall technical electives: ET 300, 304, 305, 306, 308, 365, **384, 386**, 457 and 456. Note: not every class is always offered each semester.

NOTE1: Any “*approved*” upper division ICT class may be used as a technical elective - However, only up to **3** total credits from ICT can count to the 9 cr. of required tech. electives.

NOTE2: Other approved technical type classes outside of ET “*may*” be used as a tech. elect. with permission of a faculty committee.

NOTE3: An “*approved*” 200 level class “*may*” count as a tech. elect. – see your advisor for “prior” approval.

(e) Summer courses: these are to-be-determined; however there are **ICT classes distance ed.** – see your advisor for summer course offerings.

(f) Calculus: MATH 235 and 236 are required for all ET majors. If you have taken MATH 191 and 192, you may either take MATH 236 or MATH 291.

Math sequence: (Math 121), 190, 235, 236

(h) General Education Requirements: Choose courses carefully off of the list of approved courses that is available in the ET Office. Your Gen Ed. courses requirements totally depend on which NMSU Catalog you are dependent upon – if unclear, see your ECET advisor. *Students on a 2007 and later catalog can select from the GEN. ED. reqs. below.*

1. Area IV: Social/Behavioral Sciences: two classes of 6cr from: Economics, Pol. Science, Psych., Soc, Anthropology
2. Area V: Humanities and Fine Arts - two classes of 6cr. from Hist, Philosophy, aesthetics of the arts or literature.
3. One class 6cr. from Either Area IV or Area V – see 1 and 2 above.
4. Viewing a Wider World (W WRLD1). One course from outside the College of Business & Econ: (1) Agriculture & Home Economics, (2) Arts & Sciences, (3) Education, or (4) Health and Social Services
5. A second Viewing a Wider World course chosen from the College of Business and Economics: Possibilities include MGT 315, MGT 345G, MGT 360G, MGT 388G, FIN 303G, FIN 380G, BA 365G, or BLAW 385G

You need 15 credits in the H/SS area of study. Although each of the courses on the H/SS list is three credits, not every course provides three credits toward meeting the 16-credit H/SS requirement. The courses that provide less than three credits are identified on the H/SS handout. However, there may be courses not on the list that you have taken and that may provide additional H/SS credit, for example, most foreign language courses or a sociology course.

Step 3.

Meet with your advisor to discuss your draft schedule. Have your advisor sign your course request card even if you are planning to register on-line. **You are free to see the advisor of your choice.**

<u>Advisor</u>	<u>Office</u>	<u>Telephone</u>
Beasley	ECIII 387	646-3452
Kelly	ECIII 381	646-3817
Jenkins	ECIII 390	646-3847
Morrell	ECIII 389	646-5011
Rico	ECIII 388	646-3451

Step 4.

Once you have your course request card or STARS report signed by an advisor, the ET Office staff (or ECET coordinator) will clear you for on-line registration. Alternatively, you may register by taking your signed course request card to Goddard Hall, Room 106.

Closed classes. Go to the instructor of the closed class and ask them to use Banner to permit your registration.

Prospective graduates. If you are planning to complete graduation requirements at the close of the next semester or session, please make an appointment for a record check with the department head. You should also fill out a Degree Application form that is due to the Registrar’s Office early in the semester or session. Be sure to make a note of the **deadline** for application(can be found on-line).

Minors Available:

1. Information Technologies
2. Renewable Energy Technologies
3. Security Technology
4. Surveying Engineering
5. Manufacturing

Ask your advisor for further information.