Course Articulation between New Mexico State University
and
University of New Mexico – Los Alamos

For students pursuing a bachelor of science degree in
ENGINEERING TECHNOLOGY
"Linking Theory and Applications"
with a major in
Information Engineering Technology

Students wishing to begin their studies at the Community College before transferring to NMSU typically spend at least four semesters and get an AAS or AS degree in Network Administration. This is typically followed by four to six semesters at NMSU. An advisor in Engineering Technology should be consulted for all transfers. A complete description of the requirements for the degree will be found below and at the link:

http://www.nmsu.edu/Academic_Progs/Undergraduate_Catalog/ch6/et.pdf

This agreement voids all previous agreements and is valid for students transferring to NMSU until modified by the parties.

Note (1):According to 5 NMAC 55.3 a set of 35 semester hours of standardized General Education common core classes in five areas of study may be taken at the Community College and transferred to NMSU in any department. To fulfill all these requirements "may" require the student to take additional classes beyond their AS or AAS degree. See *(see http://hed.state.nm.us)* and search on General Education Common Core.

Note (2): Math sequences may be taken at the Community College and a "math placement" exam will determine the students' math level upon entering NMSU. It is strongly recommended that transferring students have at a minimum of College Algebra to permit the easiest transition to NMSU College of Engineering – the more math the better!

Note (3): Residency requirement. The last 30 credits used to meet degree requirements must be taken at NMSU, of which at least 20 of these must be upper division.

Note (4): C or better grade requirement. The NMSU College of Engineering requires a C or better grade in all required lower division science, mathematics, engineering and engineering technology courses. This requirement applies to NMSU courses and all transfer courses.

Courses which may be taken at the Community College which will transfer to ETSE at NMSU are indicated in **blue italics** in the degree plan below:

DEGREE: Bachelor of Science in Engineering Technology
MAJOR: Information Engineering Technology (Total Credits 128)

Seeking accreditation by the Technology Accreditation Commission of ABET Inc.

********************* *Freshman year*****************************
Freshman Year (33 credits)
Gen Ed from Area I: Public Speaking   3
      CJ 221: Interpersonal Communication (3)
      or CJ 225: Small Group Communication (3)

Gen Ed from Area I: English Composition   3 - 4
      ENGL 101: Composition I: Exposition (3)

Gen Ed from Area IV: Social/Behavioral Sciences   3
      Appropriate approved HED class (see http://hed.state.nm.us)

Gen Ed from Area V: Humanities and Fine Arts   3
      PHIL 156: Reasoning and Critical Thinking (3)

MATH 121, College Algebra   3
      Math 121 College Algebra (3)

MATH 190, Pre-Calculus   4
      MATH 150: Pre-Calculus Mathematics (3)

Approved Laboratory Science, choose 1 from   4
      Physics or Chemistry or Biology
      PHYC 102/102L: Introduction to Physics (3)/Laboratory (1)

********************* *Core Courses*****************************
ET 101, Introduction to Engineering Technology   1
      Appropriate approved class:
      ETSE will transfer this credit if the student completes the AAS or AS degree

ET 120, Computational and Presentation Software   3
      Appropriate approved class:
      CT 102: Introduction to Microcomputers on the PC. (4)

ET 182, Digital Logic   3
      Appropriate approved classes:
      ELCT 137: Digital Electronics I (Combinational Logic) (3)
      or ECE 238L: Computer Logic Design. (4)

ET 160, Operating Systems 1   3
      Appropriate approved classe
      IT 132 Microcomputer Operating Systems (3)

Sophomore Year (34 credits)

Gen Ed from Area I: College Level Writing	3

       ENGL 119: Technical Communications (3)

Gen Ed from Area IV: Social/Behavioral Sciences	3

Appropriate approved HED classes (see http://hed.state.nm.us)

Gen Ed from Area V: Humanities and Fine Arts	3

Appropriate approved HED classes (see http://hed.state.nm.us)

Gen Ed Choose 1 from	3

        Area IV: Social/Behavioral Sciences **or**
        Area V: Humanities and Fine Arts
Appropriate approved HED classes (see http://hed.state.nm.us)

MATH 235, Calculus for the Technical Student I	3

Appropriate approved HED classes (see http://hed.state.nm.us)

Approved Laboratory Science, choose 1 from	4

Physics or Chemistry or Biology
Appropriate approved HED classes (see http://hed.state.nm.us)

ET 245, Computer Hardware	3

       IT 131 Introduction to Hardware Installation (3)

ET 255, Web Systems	3

Appropriate approved class:
IT 145: Web Design Fundamentals: HTML and Style Sheets. (3)

ET 262, Software Technology I	3

       CS 160 Introduction to JAVA (3)
       or   CS 148: Introduction to C++ (3)

ET 280, Introduction to Multimedia	3

Appropriate approved class:
DMA 240 Audio/Video for the Web (3)

Technical elective	3

Appropriate approved class:
       Any IT, CS, CT or DMA course not used above will count. (3)

 The un-initialized *courses are the required courses in the Network Administration AAS Degree 2009-2010 catalog that will transfer. The suggested appropriate approved class is in italics, this course will transfer to the bachelor program as well.*

Total Credits program specific, not in italics, transferred   **33**

Total Credits possible transferred   **67**

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Junior Year (30 credits)

ET 302, Manufacturing Data Analysis	3
ET 339, Computer Forensics	3
ET 344, Microcomputer Systems	3
ET 362, Software Technology II	3
ET 377, Computer Networking I	3
ET 477, Computer Networking II	3
BCIS 350, Information System Analysis and Design	3
MATH 279, Introduction to Finite Mathematics	3
Viewing a Wider World Elective	3
Approved technical elective	3

Senior Year (31 credits)

ET 457, Introduction to Information Security	3
ET 458, Database Technology for Engineering	3
ET 462, Remote Access Operating Systems and Advanced Scripting	3
ET 463, Computer Systems Administration	3
ET 410, Senior Seminar	1
ET 435, Senior Design and Project Management	3
BCIS 480, Ecommerce Security	3
Approved technical elective	3
Management Elective	3
Business Elective	3
Viewing a Wider World Elective	3

                                   Total Credits   **128**