Course Articulation between New Mexico State University and Dona Ana Community College

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 Computer Technology. 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).*

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 (33 credits)

Gen Ed from Area I: Public Speaking 3
Appropriate approved HED class (see http://hed.state.nm.us)

Gen Ed from Area I: English Composition 3-4
Appropriate approved HED class (see http://hed.state.nm.us)

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

MATH 121, College Algebra 3
Appropriate approved HED class (see http://hed.state.nm.us)

MATH 190, Precalculus 4
Appropriate approved HED class (see http://hed.state.nm.us)

Approved Laboratory Science, choose 1 from 4
Physics or Chemistry or Biology
Appropriate approved HED class (see http://hed.state.nm.us)

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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:
OECS 105 Introduction to Microcomputer Technology
BCIS 110G. Introduction to Computerized Information Systems
C S 110G. Computer Literacy

ET 182, Digital Logic 3
Appropriate approved classes:
OEES 160 Digital Electronics

ET 160, Operating Systems 1 3
Appropriate approved classes:
OECS 128 Operating Systems Linux/Unix
OECS 203 UNIX Operating System
OECS 204 Linux Operating System

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Sophomore Year (34 credits)

Gen Ed from Area I: College Level Writing 3
Appropriate approved HED classes (see http://hed.state.nm.us)

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)

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ET 245, Computer Hardware 3
Appropriate approved classes:
OECS 275. PC Maintenance and Selection II

ET 255, Web Systems 3
Appropriate approved classes:
CMT 230 Web Page Development I
OECS 216 Programming for the Web
OECS 218 Web Page Programming Support

ET 262, Software Technology I 3
Appropriate approved classes:
OECS 195 Java Programming
OECS 193 C++ Programming

ET 280, Introduction to Multimedia 3
Appropriate approved class:
OECS 285 Multimedia Methods and Applications

Technical elective 3
Appropriate approved class:
Typically a program "content" course not used above.
Consult with IET advisor

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