

Course Articulation between New Mexico State University  
and  
Southwestern Indian Polytechnic Institute

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 Southwestern Indian Polytechnic Institute before transferring to NMSU typically spend at least four semesters and get an AAS or AS degree in the **Network Management** program. 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 may be found below and at the link:

[http://www.nmsu.edu/Academic\\_Progs/Undergraduate\\_Catalog/ch6/et.pdf](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.

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 Southwestern Indian Polytechnic Institute which will transfer to IET at NMSU are indicated in **italics** in the degree plan below:

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

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Seeking accreditation by the Technology Accreditation Commission of ABET Inc.

\*\*\*\*\* *Freshman year*\*\*\*\*\*

**Freshman Year (33 credits)**

GenEd from Area I: Public Speaking <i>Appropriate approved class:</i> SPCH 130 (3)	3
Gen Ed from Area I: English Composition <i>Appropriate approved class:</i> ENGL 101 (3)	3-4
Gen Ed from Area IV: Social/Behavioral Sciences <i>Appropriate approved HED class (see <a href="http://hed.state.nm.us">http://hed.state.nm.us</a>)</i>	3
Gen Ed from Area V: Humanities and Fine Arts <i>Appropriate approved HED class (see <a href="http://hed.state.nm.us">http://hed.state.nm.us</a>)</i>	3
MATH 121, College Algebra <i>Appropriate approved class:</i> MATH 121 (3)	3
MATH 190, Pre-Calculus <i>Appropriate approved class:</i> MATH 150 (3)	3
Approved Laboratory Science, choose 1 from <i>Appropriate approved HED class (see <a href="http://hed.state.nm.us">http://hed.state.nm.us</a>)</i> Physics, Chemistry, or Biology	4

\*\*\*\*\* *Core Courses*\*\*\*\*\*

ET 101, Introduction to Engineering Technology <i>Appropriate approved class:</i> <i>ETSE will transfer this credit if the student completes the AAS or AS degree</i>	1
ET 120, Computational and Presentation Software <i>Appropriate approved class:</i> COSC 107 COMPUTER LITERACY (3)	3

ET 182, Digital Logic 3  
*Appropriate approved classes:*  
ELEC 201A Digital Electronics I (2)  
ELEC 202L Digital Electronics I Lab (1)

ET 160, Operating Systems 1 3  
*Appropriate approved class:*  
ITCT 111 IT Essentials I (A+) (3)

\*\*\*\*\* *Sophomore year*\*\*\*\*\*

**Sophomore Year (34 credits)**

Gen Ed from Area I: College Level Writing 3  
ENGL 102(3) or ENGL 219 (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 class:*  
MATH 162 (4)

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

\*\*\*\*\* *Core Courses*\*\*\*\*\*

ET 245, Computer Hardware 3  
*Appropriate approved class:*  
ITCT 111

ET 255, Web Systems 3  
*Appropriate approved class:*  
COSCI12 (3)

ET 262, Software Technology I 3  
*Appropriate approved class:*  
COSCI 121 (3)

ET 280, Introduction to Multimedia	3
<i>Appropriate approved class:</i>	
<i>BUED 215 (3)</i>	
Technical elective	3
<i>Appropriate approved class:</i>	
Any <b>ITCT, COSC</b> course not used above will count. (3)	

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*The un-initialized courses are the required courses in the Network Management AAS Degree 2009-2011 catalog that will transfer. The suggested appropriate approved class is in italics, this course will transfer to the bachelor program as well.*

<b>Total Credits program specific(NOT in italics) transferred</b>	<b>30</b>
<b>Total Credits possible transferred</b>	<b>65</b>

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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

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**Total Credits 128**