



Vincennes University



Associate in Applied Science in Electronics Technology (SOC)

STUDENT DATA:

NAME: ROADMAP'S DEGREE

SSN: 000-00-0000

Credit	Potential
Required	Credit

English Composition I (ENGL 101) [EN024A]

3.00

(Prerequisites: Successful completion of READ 009 and ENGL 009 (or ENGL 011), or recentered SAT Verbal score of (R)370 or greater, or appropriate placement test scores. ENGL 009 or 011 must be completed with a grade of C or better. English Composition I is a college level course in writing designed to help students develop their ability to think, to organize, and to express their ideas clearly and effectively. Emphasis is placed on the various forms of expository writing such as process, description, narration, comparison, analysis, persuasion, and argumentation. Numerous in-class writing assignments are required in addition to extended essays written outside of class. Required of all students. This requirement may be filled with college credit by examination.)

{DANTES Code = 11.07.00}

Speech (SPCH 143) or Interpersonal Communication (SPCH 148) [CM001A,CM003A]

3.00

(Visit the VU website for a description of these courses.)

{DANTES Code = 04.10.00 or 04.99.00}

Intermediate Algebra (MATH 101) [MH047A]

3.00

(Prerequisite: MATH 012 with a C or better, or open to other students with a CPT EA score of 53 or greater. Systems of equations and inequalities, polynomials and exponents, factoring, rational expressions and equations, roots, radicals, and complex numbers, quadratic equations, and applications.)

{DANTES Code = 14.01.04}

College Algebra (MATH 102) [MH048A]

3.00

(Prerequisite: MATH 101 with a C or better, or open to other students with a CPT EA score of 74 or greater. Designed as a pre-calculus course for the study of functions (including polynomial, rational, exponential, and logarithmic) and their graphs; includes transformations of functions, operations on functions, solution methods for linear and nonlinear equations, systems, and inequalities, and selected topics from analytic geometry. Utilizes graphing technology. This requirement may be filled with college credit by examination.)

{DANTES Code = 14.01.00}

Technical Physics (PHYT 101)	4.00
(Prerequisite: Successful completion of MATT 105, or a CPTS EA score of 40 or greater, or a CPTS AR score of 64 or greater and a CPTS EA score of 32 or greater. An introductory course designed for technology majors. The course covers measurement, motion, force, work, energy, power, simple machines, torques, properties of materials, fluids, hydraulics, sound, heat, and electricity.)	
{DANTES Code = 16.11.00}	
Social Science Elective	3.00
(This requirement may be filled with college credit by examination or credit for military training. Visit the VU website for a description of courses available.)	
{DANTES Code see 20.XX.XX series}	
Basic Component and Circuit Analysis (ELED 110) [ET013A]	6.00
(Prerequisites: Successful completion of READ 009, ENGL 009 and MATH 011, or recentered SAT Verbal score of (R)370 or greater, or appropriate placement test scores. Develops an understanding of basic DC and AC theory with mathematical analysis. Emphasis is on the function and characteristics of electronic components, basic circuit configurations, RCL circuits, vector analysis and resonance.)	
{DANTES Code = 07.07.03}	
Computers for Technology (ELED 120)	2.00
(This course is designed to meet the special computer needs of technology students. Computer software and hardware experiences, as they relate to technology students, will be covered. No prior computer experience is assumed.)	
Digital Logic I (ELED 130) [ET005A]	3.00
(Prerequisites: Successful completion of or concurrent enrollment in ELED 110. An introduction of fundamental digital electronic devices and circuits, including TTL logic, binary numbers, codes, Boolean algebra, and combinational logic circuits.)	
{DANTES Code = 07.07.03}	
Linear Circuits (ELED 151) [ET004A]	3.00
(Prerequisite: A C or better in ELEC 110. The theory, application, and design using transistors and operational amplifiers including power transistors, FET's and other linear integrated circuits such as oscillators, timers and other specialized circuits. Emphasis is placed on biasing, troubleshooting, and testing of transistors and op-amp circuits.)	
{DANTES Code = 07.07.03}	
Digital Logic II (ELED 180) [ET005A]	3.00
(Prerequisite: A C or better in ELEC 130. A course in digital electronics systems including counters, registers, decoders, digital to analog, analog to digital converters, and storage devices. Complete systems such as digital voltmeters, frequency counters, and digital clocks.)	
{DANTES Code = 07.07.03}	

Advanced Linear Circuits (ELED 210)	2.00
(Prerequisite: A C or better in ELEC 110. A continuation of ELEC 151 with an emphasis on more advanced linear circuit applications.)	
Receiver and Video Circuit Analysis (ELED 215)	3.00
(Prerequisite: A C or better in ELED 151. A course to serve as an introduction to radio frequency theory and receivers. Emphasis is placed on color television and video circuit theory. Taking the CET Test is required at the conclusion of the course.)	
Industrial Electronics Control (ELED 220) [ET047A]	3.00
(Prerequisite: A C or better in ELED 151. A course specializing in industrial systems and control techniques. Applications include industrial power supplies, vacuum tubes, magnetic amps, syncrosystems, servomotors, stepping motors, photo devices, temperature systems, motor speed control, three phase power, digital control and ladder diagrams with emphasis on programmable controllers for industrial control.) {DANTES Code = 07.07.03}	
Computer Electronics I (ELED 230) [ET019A]	3.00
(Prerequisites: A C or better in ELED 130. The theory and application of microprocessors for control functions. Topics such as architecture, instruction sets, assembly language programming techniques, with interfacing experiments as used in industry.) {DANTES Code = 07.07.03}	
Communications Electronics (ELED 245) [ET006A]	6.00
(Prerequisite: A C or better in ELED 151. A communications course with emphasis on AM and FM transceivers used in land/mobile communications systems, microwave communications, directional and non-directional antenna systems, and rules and regulations governing this segment of the industry.) {DANTES Code = 07.07.03}	
Computer Electronics II (ELED 280)	2.00
(Prerequisite: A C or better in ELED 230. A continuation of ELED 230 with emphasis on more advanced programming and interfacing using commercially available hardware.)	
Electronic Applications (ELED 285)	6.00
(Prerequisites: Successful completion of READ 011, or recentered SAT Verbal score of (R)420 or greater, or appropriate placement test scores, and a C or better in ELED 220 and 230. A course to assist students to apply their electronics skills of research and design, system development, test and calibration and circuit repair. Drafting techniques, interpreting specification sheets, printed circuit board layout, the use of logbooks, as well as specialized equipment such as storage scopes will be employed.)	
Physical Education Elective	2.00
(Visit the VU website for a complete listing and description of courses.)	

Reading/Writing/Speaking intensive course requirement:

(There must be one course taken which meets the Reading/Writing/Speaking intensive course requirement. This requirement must be taken through a Vincennes University course and may be met with one of the major courses taken to fulfill this curriculum. English Composition I and Speech must be taken before the intensive requirement can be met. Consult your academic advisor at the university to be sure.)

Excess or Duplicate Credit

TOTAL **63.00** **0.00**

Thank you for requesting support from the U.S. Coast Guard Institute (CGI). Whereas we serve as an activity in support of your unit Educational Services Officer (ESO), you are encouraged to seek assistance from your local ESO in your academic endeavors. The following information is provided to help you understand what is presented in this degree plan:

This document is an UNOFFICIAL Degree Plan to provide you with a preliminary assessment of how your prior learning experiences might fit into the specified degree program for this academic institution. If you choose to pursue this degree option, you must present it to a college representative, who will review it for the following:

o Accurate representation of the college's degree program requirements, including course numbers and titles, credit hours for each course, lower- and upper-level course requirements, and the total number of credits needed for the degree.

o Appropriate assignment of ACE Guide-recommended credit at the lower or upper level for military service schools and occupations, CLEP, DSST, and other tests, transfer credit for courses from other colleges and universities, certification programs, etc.

o Appropriate assignment of SOC Course Category Codes from the SOC Handbook Transferability Tables. The SOC Degree Program Handbooks can be obtained from the SOC web site at: www.soc.aascu.org should you wish to learn more about the course transfer guarantees among SOC network institutions.

IMPORTANT NOTE: When you are ready to seek admission into this degree program, please contact the USCG Institute at 1-405-954-7241. Your advisor will send the college or university an official U.S. Coast Guard Institute transcript, a copy of the degree plan, and a ready-for-signature SOC Student Agreement which, when signed by a college official, becomes a contract for degree completion committing the college or university to supporting you in your academic endeavors.

Credit for all courses you have taken must be reflected on official transcripts sent directly to this college from the administrative offices of the colleges you previously attended. This degree plan is often used for information purposes by college counselors pending receipt of the official transcripts from the source colleges.

This degree plan is not intended to compete with your local college or university. Keep in mind, you are allowed to transfer in a significant amount of the degree

requirements to this institution. As such, credit from local colleges, college level examination programs, or advanced military training may be applied to this degree. You may also complete the courses necessary from this college either in residence (on campus or possibly on a military base at a campus extension in the Education Center) or through distance delivery of the courses. If you have questions, please contact the college counselor or your advisor listed at the bottom of this Degree Plan.

DEGREE PLAN LEGEND:

SH = Semester hours
VOC = Vocational, not relative to an academic degree
LL = Lower Level, i.e. courses at the Freshman/Sophomore level
UL = Upper Level, i.e. courses at the Junior/Senior level
GL = Graduate Level (sometimes recommended by ACE for very complex courses)
[#] such as [EN024A] or [EN024B] = SOC Course Category Codes*
{#} such as {DANTES Code = 01.02.03} = DANTES Academic Codes **

* SOC Course Category Codes: Service members Opportunity Colleges (SOC) is a consortium of over 1,600 accredited colleges and universities seeking to provide degree opportunities to the military. Over 170 of these institutions participate in network degree programs developed for the Army, Navy, Marine Corps, and Coast Guard. A SOC course category number beside a course from one of these institutions, such as [EN024A] or [EN024B] for English Composition, indicates that courses from other degree program institutions with the same code may be taken to satisfy the degree requirement. See the SOC Degree Programs Handbooks at <http://www.soc.aascu.org/>

** DANTES Academic Codes: The Defense Activity for Non-Traditional Education Support (DANTES) publishes the DANTES Independent Study Catalog (DISC) annually, which lists more than 6,000 courses from dozens of regionally accredited colleges and universities. Because this is a degree from a SOC affiliated college, the academic residency requirements are limited, thereby allowing students to transfer in a significant portion of the degree, as mentioned above. If the course you desire to take is not offered by this institution when you want to take it, consider the opportunities the courses in the DISC present. For more information, visit http://www.dantes.doded.mil/dantes_web/distancelearning/disc/front/cont.htm Keep in mind, you should always check with the counselor or academic advisor at this institution before enrolling in a course listed in the DISC to ensure it will be accepted in transfer toward this degree.

Vincennes University (VU) General Information

Vincennes University continues to offer the lowest tuition of any residential college in Indiana, yet they've been named by Yahoo! Magazine as one of the "most-wired" colleges in the nation. They bring educational opportunity to individuals who may not have access to classes on a college campus. Their goal is to provide quality courses and services for individuals who need flexibility in meeting their educational objectives.

The Distance Education Program serves students who:

- wish to re-enter higher education in order to complete a degree or certificate
- desire to begin a college degree or certificate program
- need to complete selected courses for personal improvement or job enhancement
- are pursuing a degree, but need to complete some courses through distance delivery

- Delivery Choices:
- C - Correspondence
- C/V - Correspondence with video
- I - Internet Open Enrollment
- ISB - Internet Semester-based
- I/V - Internet with video
- M - Multimedia
- TV - Satellite TV
- TW - Two-way video

The Military Education Program provides military students with:

- Academic advising for degree completion
- Evaluation of military experience for college credit based on the American Counsel on Education's recommendations
- Evaluations are completed after students successfully complete one course through VU.
- No charge for initial military experience evaluation.
- \$30.00 charge for re-evaluation at future date unless active student.

Effective Catalog: The effective catalog (degree requirements) for a student is the current catalog for the first semester for which the student has registered for class at Vincennes University. That catalog remains effective catalog for the student unless the student doesn't register in at least one class within a period of sixteen months. The program coordinator and program director may agree to extend the sixteen-month period for a particular student in case of emergency or hardship, thereby allowing the student to keep the original effective catalog.

For those who have served in more than one service or have held multiple MOS/Rating/AFSC's, additional credit may have been earned so as to enable one to be closer to degree completion - check your assessment to ensure all have been listed. Credit for Duty or Secondary MOS may also apply to this degree. Contact your counselor for more information if this applies to you.

A SOC Contract for Degree Completion with this institution may be entered after completing 1 course through them.

Tuition \$122.00 per credit hour: Distance Education Program (subject to change)
Tuition \$130.00 per credit hour: Military Education Program - On-site classes

To discuss your next step toward earning this degree with VU, contact:

Matt Schwartz
Director, Military Education Program
Vincennes University
1002 N. 1st Street
Vincennes, IN 47591
800-468-7480 (toll-free Military Education Program)
Fax : 812-888-5862

mschwartz@vinu.edu
www.vinu.edu

POLICY NOTES:

The maximum amount of college level testing credit accepted by VU is 47 semester hours.

Residency requirement:

- 15 semester hours of college coursework, 6 of which must be taken through VU
- VU will accept transfer credit from regionally accredited institutions with a grade of C or above.
- Non-traditional credit accepted by VU may include up to 47 semester hours of military credit or college level testing.

Evaluation completed by: Charles Morrison

On: 04 May 2007