

# BACHELOR OF TECHNOLOGY

- ❖ **107- APPLIED TECHNOLOGY (TECH)**
- ❖ **107F-OPTION: CYBERSECURITY AND INFORMATION ASSURANCE (TECY)**
- 107U-OPTION: UNMANNED AIRCRAFT SYSTEMS (TEUA)**

❖ *These degree options are offered online at [www.rsuonline.edu](http://www.rsuonline.edu)*

The degree program consists of 43 hours in general education, 30 hours (minimum) in a technical specialty, 43 hours in the professional program core, and 4 hours of electives.

The Applied Technology option is designed to provide educational opportunities for individuals who possess an Associate in Applied Science degree or equivalent military experience and need additional education in order to perform job requirements or to advance their professional careers.

The Cybersecurity and Information Assurance option is based on the National Cybersecurity Workforce Framework provided by DHS and NSA and is the foundation for increasing size and capability of the U.S. cybersecurity workforce. This option provides students the knowledge and required abilities for performing technical analyses of computer incidents and intrusions to determine source, infiltration path, mechanism, system modifications and effects.

The Unmanned Aircraft Systems Option provides the technological skills to design, build (3D print), and fly a UAV as well as provide required knowledge to take the FAA Part 107 Pilot's License Examination. This option additionally provides the education required of one to start and run an independent business (UAS services).

<b>REQUIRED HOURS .....</b>	<b>120</b>
<b>UNIV 1152 The University Experience .....</b>	<b>2</b>
<b>Communications.....</b>	<b>9</b>
ENGL    1113    Composition I	
ENGL    1213    Composition II	
SPCH    1113    Speech Communication	
<b>Social and Behavioral Sciences .....</b>	<b>9</b>
History .....	<b>3</b>
<i>Select from the following:</i>	
HIST    2483    American History to 1877	
HIST    2493    American History since 1877	
POLS    1113    American Federal Government .....	<b>3</b>
Social Science.....	<b>3</b>
<i>Select from the following:</i>	
ECON    2113    Principles of Macroeconomics	
ECON    2123    Principles of Microeconomics	
PSY     1113    Introduction to Psychology	
SOC     1113    Introduction to Sociology	

<b>Science and Mathematics .....</b>	<b>11</b>
Biological Science .....	<b>4</b>
<i>Select from the following:</i>	
BIOL    1114    General Biology	
BIOL    1134    Introduction to Environmental Science	
BIOL    1144    General Cellular Biology	
Physical Science.....	<b>4</b>
<i>Select from the following:</i>	
CHEM  1104    Principles of Chemistry	
CHEM  1315    General Chemistry I	
GEOL  1014    Earth Science	
GEOL  1114    Physical Geology	
GEOL  1124    Physical Geography	
GEOL  1224    Historical Geology	
GEOL  2124    Astronomy	
PHYS  1014    General Physical Science	
PHYS  1114    General Physics I	
Mathematics .....	<b>3</b>
<i>Select from the following:</i>	
MATH  1413    Introduction to Statistics	
MATH  1503    Mathematics for Critical Thinking	
MATH  1513    College Algebra	
MATH  1613    Trigonometry	
MATH  1715    Pre-Calculus	
MATH  2264    Analytical Geometry & Calculus I	
<b>Humanities .....</b>	<b>6</b>
<i>Select from the following:</i>	
ART (HUM)  1113    Art Appreciation	
COMM (HUM)  2413    Theatre Appreciation	
ENGL          2613    Introduction to Literature	
HUM          2113    Humanities I	
HUM          2223    Humanities II	
HUM          2893    Cinema	
MUSC (HUM)  2573    Music Appreciation	
PHIL          1113    Introduction to Philosophy	
<b>Global Studies .....</b>	<b>3</b>
<i>Select from the following:</i>	
BIOL    3103    Plants and Civilization	
ECON    3003    International Economic Issues and Policies	
GEOG    2243    Human Geography	
GERM    1113    Beginning German I	
HIST    2013    World Civilization I	
HIST    2023    World Civilization II	
HUM    3633    Comparative Religion	

LANG	1113	Foundations of World Languages
MGMT	3033	Conflict Resolution: I'm Always Right!
NAMS	1143	Native Americans of North America
NAMS	2503	Cherokee I
PHIL	1313	Values and Ethics
POLS	3053	International Relations
SOC	3213	Minority Groups
SPAN	1113	Beginning Spanish I

**Elective ..... 3**

Select three additional hours from the courses listed above and not previously selected.

**Program Requirements**

**Program Core Courses ..... 31**

ACCT	2103	Accounting I-Financial
BADM	3113	Business Communications
BADM	3323	Legal Environment of Business
CS	1113	Microcomputer Applications
IT	4353	Information Assurance and Security Management
MGMT	3013	Principles of Management
MKTG	3113	Principles of Marketing
TECH	3013	Leadership and Decision-Making Skills
TECH(SCMT)	3213	Enterprise Resource Management Systems
TECH	4504	Practicum and Capstone Experience

**Applied Technology ..... 12**

CS	3213	Multimedia Development
MGMT	3423	Management Information Systems
TECH	3023	Emerging Technologies
TECH	3203	Introduction to Risk Management

**Technical Specialty ..... 30**

A cohesive program of study in a technical field that fulfills the requirements of an Associate in Applied Science (A.A.S.), Associate in Science (A.S.), or the equivalent.

**Cybersecurity and Information Assurance Option..... 12**

CJ	4413	Evidentiary Standards
IT	3333	Cybersecurity Investigations
IT	4373	Information Assurance Regulations and Ethics
IT	4443	Fundamentals of Information and Cybersecurity

**Technical Specialty ..... 30**

A cohesive program of study in a technical field that fulfills the requirements of an Associate in Applied Science (A.A.S.), Associate in Science (A.S.), or the equivalent and at least 15 credit hours must be CS, CJ, and/or IT and seven (7) of which must include:

IT	1411	Orientation to Computer Technology
IT	2143	Introduction to Networking
CJ	3013	Criminal Procedures

**Unmanned Aircraft Systems Option ..... 12**

MKTG	3313	E-Marketing
FINA	3503	Principles of Finance
ENTR	3303	Entrepreneurial Finance
ENTR	4323	Managing the Growing Business

**Technical Specialty ..... 30**

A cohesive program of study in a technical field that fulfills the requirements of an Associate in Applied Science (A.A.S.), Associate in Science (A.S.), or the equivalent and at 15 of the required 30 Technical Specialty credit hours must include:

TECH	1030	Unmanned Aircraft Systems (UAS) Design and Build (3-credits)
TECH	2020	Unmanned Aircraft Systems (UAS) Flight operations (3-credits)
TECH	2090	Field Internship(3-credits)
ACCT	2203	Accounting II-Managerial
ENTR	3233	Marketing for the Entrepreneur

**Free Electives ..... 4**

Electives will be chosen to complete the 120 credit hours required for graduation.

**Total Credit Hours ..... 120**

\*Three upper-division liberal arts and sciences credits are required for graduation. This requirement may be met when completing general education courses or by selecting a three-credit upper-division liberal arts course as a program elective.