

BACHELOR OF TECHNOLOGY

❖ 107- APPLIED TECHNOLOGY (TECH)

107F-OPTION: CYBERSECURITY AND INFORMATION ASSURANCE (TECY)

107E-OPTION: ESPORTS (TEES)*

107U-OPTION: UNMANNED AIRCRAFT SYSTEMS (TEUA)*

❖ *This degree is offered online at www.rsuonline.edu*

The degree program consists of 41 hours in general education, 30 hours (minimum) in a technical specialty, 40 hours in the professional program core, and 9 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).

ESports is the fastest growing niche of the gaming industry. Employment opportunities in eSports vary from gamers to writers, bloggers, event planners, team managers, multimedia graphic designers, and social media managers. This option provides an eSports generalized education with both technology and management tracks into the profession.

REQUIRED HOURS 120

Communications..... 9

- ENGL 1113 Composition I
- ENGL 1213 Composition II
- SPCH 1113 Speech Communication

Social and Behavioral Sciences 9

- History 3
- Select from the following:*
- HIST 2483 American History to 1877
- HIST 2493 American History since 1877
- POLS 1113 American Federal Government 3

Social Science..... 3

- Select from the following:*
- ECON 2113 Principles of Macroeconomics
- ECON 2123 Principles of Microeconomics
- PSY 1113 Introduction to Psychology
- SOC 1113 Introduction to Sociology

Science and Mathematics 11

Biological Science 4

- Select from the following:*
- BIOL 1114 General Biology
- BIOL 1134 General Environmental Biology
- BIOL 1144 General Cellular Biology

Physical Science 4

- Select from the following:*
- CHEM 1315 General Chemistry I
- GEOG 1014 Earth Science
- GEOG 1114 Physical Geology
- GEOG 1124 Physical Geography
- GEOG 1224 Historical Geology
- GEOG 2124 Astronomy
- PHYS 1014 General Physical Science
- PHYS 1114 General Physics I

Mathematics 3

- Select from the following:*
- 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

Humanities 6

- Select from the following:*
- 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

Global Studies 3

Select from the following:

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 Courses28

ACCT	2103	Accounting I-Financial
BADM	3113	Business Communications
BADM	3323	Legal Environment of Business
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 or a COOP/Internship

Applied Technology (107) 12

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

Cybersecurity and Information Assurance

Option (107F) 12

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

***Unmanned Aircraft Systems Option (107U)..... 12**

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

***Esports Option (107E)..... 12**

PSY	3513	Sports Psychology
SOC	3513	Games and Culture
SPMT	3013	Marketing Sports
SPMT	3213	The Legal Aspects of Sports 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, 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

For the Unmanned Aircraft Systems Option, at least 15 of the required 30 Technical Specialty credit hours must include:

- TECH 1030 Beginning Applications (3-credits)
 - TECH 2020 Advanced Applications (3-credits)
 - TECH 2090 Field Internship(3-credits)
 - ACCT 2203 Accounting II-Managerial
 - ENTR 3233 Marketing for the Entrepreneur
- A combination of courses and/or military ACE evaluated credits will be used to build a cohesive program of study for remaining 15 credit hours. TECH 1030, 2020, and 2090 completed prior to 2018 will not satisfy UAS Option.

For the ESports Option, 15 of the required 30 Technical Specialty credit hours must include:

- CS 1413 Introduction to Game Development
- CS 3213 Multimedia Development
- ESPT 1113 Introduction to ESports
- ESPT/SPMT 3503 ESports Business Models
- TECH 3023 Emerging Technologies

A combination of courses and/or military ACE evaluated credits will be used to build a cohesive program of study for remaining 15 credit hours

Selected Electives 9

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.

*Pending approval by the Oklahoma State Regents for Higher Education.