

CYBERSECURITY, BS

Program Description

The Bachelors of Science Cybersecurity is a unique and specialized degree. The degree combines the required knowledge and practical skills of the fields of Criminal Justice and Computer Science and Networking. Combined the degree prepares students for a future career as a cybersecurity professional. As such, graduates will build, maintain, and protect systems, networks, programs and people from cyber-attacks and intrusions.

The degree provides focus on administration, design, integration, policy, protections, and recovery from all types of cyberattacks to modern information systems. Additionally students will gain the knowledge and practical skills for the investigation and prosecution of offenders of cybercrimes. Students will develop hands-on practical skills along with in depth theoretical knowledge. The students will build effective critical thinking and problem-solving across the curriculum.

Program Learning Outcomes

- **Formal Communication (FC):** Graduates of the Criminal Justice and Emergency Responders Programs will be able to communicate effectively at a professional level, both orally and in writing.
- **Use of Evidence (UE):** Graduates of the Criminal Justice and Emergency Responders Programs will complete a Senior research project that demonstrates professional level inquiry, analysis, and presentation of a relevant issue in the field of criminal justice.
- **Analysis and Synthesis (AS):** Graduates of the Criminal Justice and Emergency Responders programs will demonstrate professional level critical thinking and problem solving skills.
- **Professional Responsibility (PR):** Graduates of the Criminal Justice and Emergency Responders programs will demonstrate professional responsibility in teamwork, civic engagement, intercultural knowledge and competence, ethical reasoning, and practical applications of those responsibilities while interning in a professional setting, student projects, and group work.
- **Intercultural Competency (IC):** Graduates of the Criminal Justice and Emergency Responders programs will demonstrate knowledge of, and interact effectively with members of groups whose identities, beliefs, behaviors, and values differ from their own.

Degree Requirements

Code	Title	Hours
Major Requirements		
CJUS 101	Introduction Criminal Justice	3
CJUS 203	Cyberterrorism	3
CJUS 243	Investigation	3
CJUS 303	Crit Infrastructure Protection	3
CJUS 306	Information Systems Security	3
CJUS 319	Substantive Criminal Law	3
CJUS 321	Ethical Issues Public Safety	3
CJUS 323	Cybersecurity Law & Compliance	3
CJUS 333	Cybercrimes & Info Warfare	3
CJUS 343	Digital Forensics	3
CJUS 345	Stats & Design/Public Safety	4
CJUS 399	Seminar IV	1

CJUS 401	Senior Seminar	3
CJUS 409	Procedural Criminal Law	3
CJUS 413	Policy Dev in Info Assurance	3

Computer Science Core

CSCI 103	Survey of Computer Science	3
CSCI 105	Intro to Computer Programming	3
CSCI 106	Web Page Design & Development	3
CSCI 121	Principles of Programming	4
CSCI 211	Database Applications	4
CSCI 221	Computer Networks	3
CSCI 248	Network Operating Systems I	3
CSCI 263	Managing Computer Security	3
CSCI 281	Intro to UNIX and Networking	3
CSCI 327	Web App Design & Development	3
CSCI 348	Network Operating Systems II	3
CSCI 412	Unix Network Administration	3
CSCI 422	Network and Computer Security	3

Capstone Project

Choose Either Criminal Justice or Computer Science	6-8
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Criminal Justices

CJUS 402	Criminal Justice Internship
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Computer Science

CSCI 418	Senior Project I
CSCI 419	Senior Project II

Total Hours **91-93**

Minimum of 27 credits of 300/400 level CJUS Coursework is required for graduation.

General Education: All LSSU bachelor's degree candidates must complete the LSSU General Education Requirements.

A minimum of 124 credits (at the 100 level or higher) must be earned for graduation with a cumulative gpa of 2.00 or higher. A gpa of 2.00 or higher is also required in your Major, as well as in your General Education Requirements.