

DUAL CREDIT: School-Based Scholars

The following dual credit courses are offered ONLINE at Trimble

We are pleased to announce our School-Based Scholars partnership with Northern Kentucky University. The SBS program allows students interested in a specific career track to complete up to 12-hours of introductory coursework while still in high school. Upon high school graduation, the student is ready to continue his/her path in the specified major. All SBS courses are offered ONLINE.

The SBS program is open to juniors and seniors who meet the qualifying conditions:

- ☐ Unweighted GPA of 3.0 or higher
- ☐ ACT composite score of 20 or higher
- ☐ Certain courses within a career track may require additional qualifications. See descriptions that follow for more information

If a student has an unweighted GPA between 2.8 and 2.99, he/she may be admitted based on an administrator's recommendation. Students with ACT composite scores of 18 or 19 may also qualify based upon recommendation. Contact Ms. Stewart if this applies to you.

Tuition: The Kentucky dual-credit tuition rate is $\frac{1}{3}$ the Kentucky Community and Technical College System tuition rate. (KCTCS is currently \$174/credit hour. The dual credit rate is currently \$58/**credit hour**). JRS and SRS are eligible for the KHEAA dual credit scholarship. The scholarship covers up to 2 dual credit courses during a student's high school career. Students are responsible for all other tuition costs and any textbook/material fees.

The following career tracks will be offered in the 2020-2021 school year:

- ☐ Computer Science
- ☐ Cybersecurity
- ☐ Criminal Justice
- ☐ Organizational Leadership

STUDENTS INTERESTED IN THE SBS PROGRAM MUST COMPLETE THE NKU SBS ONLINE APPLICATION. Please do this ASAP but NO LATER than June 1. Please contact Ms. Stewart via email or phone to let her know you are applying. I will need to send you a parent-student disclosure form and forward your transcript and ACT scores to NKU. You CANNOT wait until the beginning of the school year and apply for the SBS program.

Ms. Stewart's contact information: kerrie.stewart@trimble.kyschools.us
502-255-5100 x 2003

A complete list of career tracks, courses and courses descriptions follows.

Career Track and Course Descriptions

Please review the following pages for a complete listing of available career tracks and their course descriptions. Do not hesitate to contact Ms. Stewart if you have additional questions.

Course plan: The following course plans are designed for those who first enroll during their Junior year. One course will be taken each semester during the junior and senior years. Seniors wishing to enroll this year may do so, but will need to take 2 courses each semester.

Computer Science Career Exploration Track

A major in computer science requires between 60 and 63 credit hours of coursework, depending on placement. Students in computer science begin their study with a basic core of informatics coursework, then move on to a chain of courses designed to build their software development skills. The program is rounded out by a set of electives sampled from a variety of application areas (such as artificial intelligence, computer graphics, and computer security).

Semester	Course
1st	INF 282 Intro to Databases
2nd	INF 120 Elementary Programming
3rd	INF 284 Intro to Networks and Data Communication
4th	INF 286 Intro to Web Development

Cybersecurity Career Exploration Track

The job market is growing rapidly for people able to effectively secure computers. Computer security is a very challenging technical field, requiring hands-on knowledge of a broad range of technologies as well as an effective understanding of government laws and policies related to computer crime. Students completing this program will have demonstrated an understanding of all NSA-specified core knowledge units of computer security.

Semester	Course
1st	INF 282 Intro to Databases
2nd	CIT 130 Information Technology Fundamentals
3rd	INF 284 Intro to Networks and Data Communication
4th	CIT 285 Cybersecurity Fundamentals

Criminal Justice Career Exploration Track

The Criminal Justice Program at NKU provides a conceptual understanding of criminal justice institutions and processes, theories of crime and punishment, criminal law, and social science research methods through its core courses.

Semester	Course
1st	JUS 101 Intro to Criminal Justice
2nd	JUS 231 Race, Gender and Crime
3rd	<i>Pick one of the following:</i> JUS 200: Police in America, JUS 201: Corrections in America, JUS 203: The Criminal Court Systems
4th	<i>Pick one of the following:</i> JUS 200: Police in America, JUS 201: Corrections in America, JUS 203: The Criminal Court Systems

Organizational Leadership Career Exploration Track

As an Organizational Leadership student, you will actively engage in academic work that furthers your understanding of the theoretical and practical foundations of leadership necessary to thrive in a changing world. You will explore the unique role of human behaviors in building relationships designed for the betterment of organizations, teams, and groups. Furthermore, you will be able to apply your foundational knowledge of leadership to a variety of settings. OL alumni have gone on to advance in careers and graduate programs that challenge them to utilize and enhance their leadership skills.

Semester	Course
1st	LDR 117 Intro to Supervision
2nd	LDR 160 Leadership around the World
3rd	LDR 205 Human Relations in Organizations
4th	LDR 180 Leading Social and Cultural Change

Course Descriptions:

INF 282: Intro to Databases

Prerequisite: ACT Math Benchmark

Core concepts for the design, creation, and manipulation of relational databases. Analysis of data requirements, conceptual modeling, definition of the relational model, relational database design and normalization, and database implementation; manipulation of relational databases using relational algebra

INF 120: Elementary Programming**Prerequisite: C- or better in MAT 102 or ACT Math of 25**

An elementary introduction to programming for those with no previous programming experience. Emphasis on understanding how to read and write basic procedural programs, and on understanding the concepts of algorithm and execution. General Education Credit: Natural Science

INF 284: Intro to Networks and Data Communication**Prerequisite: C- or better in MAT 103 or ACT Math of 27**

Introduction to computer networking principles, focusing on network applications such as HTTP, Email, DNS, SSH and DHCP. Various protocols in the TCP/IP stack and emerging networking technologies are covered. Lab exercises reinforce concepts.

INF 286: Intro to Web Development**Prerequisite: C- or better in MAT 103 or ACT Math of 27 AND C- or better in INF 120**

An introduction to web design and development for majors in the informatics fields. Web page creation and HTML; site organization and best practices; e-business planning, models and strategies; overview of XML and CSS; introduction to client-side and server-side programming.

CIT 130: Information Technology Fundamentals**Prerequisite: C- or better in MAT 102 or ACT Math of 25 and ACT benchmark in English**

Introduction to the organization of computers, operating systems, and networks; comparison of common operating systems; hands-on experience in PC construction and configuration; command-line usage of Windows and Unix/Linux systems; data representation; overview of the information technology industry and its societal context.

CIT 285: Cybersecurity Fundamentals**Prerequisite: C- or better in CIT 130 and INF 284**

An introduction to fundamental concepts and technologies in cyber-security, with lab exercises that focus on practical aspects of securing computers. Topics include risk analysis, common attacks and defenses, authentication, access control, network security, application and data security, and cryptography.

JUS 101: Intro to Criminal Justice

This course provides an overview of the criminal justice system; organization and operation of police, courts, and corrections; race, ethnicity, gender, and criminal justice decision-making, current trends and future prospects. General Education Credit: Individual and Society

JUS 231: Race, Gender, and Crime

Political formulation of race and gender; race and gender issues related to criminality, victimization, prosecution; adjudication, sanctions, and employment within the legal system; antecedents of contemporary practice; prospects for change. General Education Credit: Global Viewpoints

JUS 200: Police in America

Philosophy and history of law enforcement; crime and police problems; organization and jurisdiction of local, state, and federal law enforcement agencies; professional career opportunities and qualifications.

JUS 201: Corrections in America

An interdisciplinary examination of all areas of corrections in the United States informed by law, psychology, sociology, and public policy. Topics explored include history and philosophy of punishment, prisons and jails, institution programming, management of various offender populations, incarceration trends, intermediate sanctions, and parole.

JUS 203: The Criminal Court Systems

Analysis of the American courts; structure, functions, and roles of incumbents in the courts; emphasis on political and economic contexts within which the court works. Includes survey of research on American legal system.

LDR 117: Introduction to Supervision

Functions of supervision; planning, organizing, directing, staffing, controlling, and delegating.

LDR 160: Leadership around the World

This course will explore the basic theories, trends, and practices for leadership from varying global perspectives. Leadership theories are often taught from a Western perspective. This course discusses these historical Western perspectives, while also introducing students to how leadership is viewed and practiced around the world. General Education Credit: Global Viewpoints

LDR 205: Human Relations in Organizations

This course develops interpersonal human relations skills for personal and professional growth. Skills will be built in networking, diversity appreciation, structuring values, conflict resolution, motivation, and personal and group communications.

LDR 180: Leading Social and Cultural Change

Description under development...