Fall and Summer 2023 Advising Document

Cyber Systems Technology (BS)
Technology – Computer Electronics (AAS)
Technology Management – Cyber Systems Tech Security (MS)

Refer to your DegreeWorks Audit along with this document while planning your fall and summer '23 classes

Contact any of the faculty advisers for assistance with advising and to obtain your Registration Access Code (RAC) for fall/summer 2023

Prof. Vigs, PhD (coordinator) – vigs.chandra@eku.edu, 859-622-1187
Dr. Richardson – ray.richardson@eku.edu, 859-622-1200
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Click to access the list of:

Fall 2023 major and supporting classes (starting on pg. 10 of this document)

Summer 2023 major and supporting classes (starting on pg. 50 of this document)

BS (Cyber Systems Technology) degree requirements:

Current (2022-23 AY) semester-by-semester visual program map: BS (CST-NET)* and BS (CST-TS)*

*Thanks to Odin Blevins, our AET Student Tec Work assistant and 3+2 BS (CST-NET) senior, for creating our beautifully crafted curriculum planners.

(For students who started in our program through 2022 spring)

University Requirements

General Education.. 36 hrs
Student Success Seminar (BTO 100; waived for transfers with 30+ hrs.) .... 1 hr
Total Hours University Graduation Requirements ....37 hrs

College Requirements:
BTS 300 (CR only, no hours) and BTS 400 (CR only, no hours).

Core Courses (Major Requirements) ....43 hrs
AEM 202, 310W, 407, and 408; 3 hours from (AEM 352, EET 253, or EET 351); EET 252; NET 302, 303, 343, 349(1), and 354; (395 or 440); 403, and 499; TEC 161. Exit requirement NET 467 (0).

Network Security & Electronics Concentration (Major Requirements)...................24 hrs
EET 251, 257; NET 344, 395, 454; 9 hours of CSC/CIS/INF courses (CSC 160 or higher), or (CIS 215 or higher), or (INF 130 or higher).

Tech Systems Concentration (Major Requirements)..24 hrs
Computer systems, electricity & electronics, and networking related technical electives as approved by major advisor. This is the recommended option for transfer students.

Supporting Course Requirements ....6-7 hrs
ECO 130 or higher (GElement 5B); MAT (112A and 112B) or higher (GElement 2); PHY 101 or higher (GElement 4); STA 215 or 270(4), and three hours of ACC, AEM, CCT, CIS, FIN, GBU, MGT, MKT, QMB, or RMI electives as approved by major advisor.

Free Electives ....9-10 hrs
Total Curriculum Requirements ....**120 hrs**

+ Graduates must have an overall GPA of 2.25 in major requirements. Students must take a departmental exit examination before graduation. Students must take at least one computer systems, networking, security, electronics, or telecommunications technology certification or license approved by the advisor.

Curriculum changes in the process of being approved staring in the 2022-23AY the BS (CST) degree include:

- Change 1-credit hour orientation course, BTS 100, to SCO 100, related to Student Success Seminar in the STEM College for CSIT/AET students
- Dropping the 0-credit hour BTS 300 and BTS 400 college requirements
- include CIS 410 (Project Management and Practice) as an alternative to the existing AEM 407 (Fundamentals of Project Management)
- include INF 104 (Computer Literacy with Software Applications) as an alternative to the existing TEC 161 (Computer Applications in Industry)
- In the Supporting Courses, update the Economics requirement to ECO 120 (Economic Reasoning and Issues) or higher
- In the Free Electives, include a note for students with Math ACT sub-score 19-21, recommending taking CSC 101 (The World of Code) to build computing competencies

Curriculum changes in the process of being approved starting fall 2022 the 3+2 BS (CST) degree include:

- Change 1-credit hour orientation course, BTS 100, to SCO 100, related to Student Success Seminar in the STEM College for CSIT/AET students
- Dropping the 0-credit hour BTS 300 and BTS 400 college requirements
- include INF 104 (Computer Literacy with Software Applications) as an alternative to the existing TEC 161 (Computer Applications in Industry)
- In the Supporting Courses, update the Economics requirement to ECO 120 (Economic Reasoning and Issues) or higher

Bachelor of Science (B.S.)
CYBER SYSTEMS TECHNOLOGY
CIP Code: 15.1299

UNIVERSITY GRADUATION REQUIREMENTS
- General Education .... 36 hours
- Student Success Seminar (~~BUS~~ SCO 100; waived for transfers with 30+ hours) ....1 hour
- Writing Intensive course (Hrs. incorporated into Major/Supporting/Gen Ed/Free Electives category)
- Upper division courses (42 hrs distributed throughout Major/Supporting/Gen Ed/Free Electives categories)
- ACCT – Cyber Systems Technology majors must fulfill ACCT with NET 499. (Credit hours may be incorporated into Major or Supporting requirements)

Total hours University graduation requirements ……………………………………..……..…… **37 hours**

MAJOR REQUIREMENTS
~~College Requirement: Professional Skills Seminar~~
~~BUS 300 (CR only, no hours) and BUS 400 (CR only, no hours).~~

Core Courses .... ~~43~~ 34 hours
    AEM 202, 310W, ~~AEM 407~~, and 408; ~~3 hours from AEM 352, EET 253, or EET 351~~; EET 252; NET 302, 303, 343, 349(1), 354; 395, ~~or 440~~; 403, and 499; ~~TEC 161~~

Major Electives .... 9 hours
    (AEM 407 or CIS 410); (AEM 352, EET 253, EET 351 or NET 440); (TEC 161 or INF 104)

Network Security & Electronics Concentration... 24 hours
    EET 251, 257; NET 344, 395, 454; 9 hours of CSC/CIS/INF courses (CSC 160 or higher), or (CIS 215 or higher), or (INF 130 or higher).

Tech Systems Concentration .... 24 hours
    Computer systems, electricity & electronics, and networking related technical electives as approved by major adviser. This is the recommended option for transfer students.

Supporting Courses.. 6-7 hours
    ECO ~~130~~ 120 or higher in *ᴳ*Element 5B; MAT 112A and 112B or higher in *ᴳ*Element 2; PHY 101 or higher (*ᴳ*Element 4); STA 215 or 270 (4); and three hours of ACC, AEM, CCT, CIS, FIN, ~~GBU~~, MGT, MKT, ~~QMB~~, or RMI electives as approved by major advisor.
    ᴳCourse also satisfies a General Education element.
    Hours are included within the 36 hr. General Education requirement above.

Free Electives.. 9-10 hours
    (Up to five semester hours of Upper Division courses, including Cooperative Education, may be needed for meeting the 42 hour requirement. Students with an ACT Math sub-score of 19-21 may consider taking CSC 101 (The World of Code) to build computing competencies early in the degree program.)

Exit Requirement.. 0 hours
    NET 467 (CR only, no hours)

TOTAL HOURS TO COMPLETE DEGREE ……………………………………………………… **120 hours**

Please note that at least 6 hours of NET 395 (Special Topics in NET) are needed as part of the BS(CST) degree program. We typically offer this with a different topic every semester. In Fall 2023 the topic is Comp Net Management Tools. Students may take NET 395 up to a maximum of 9 credit hours.

In Fall 2023, **NET 395 (Comp Net Management Tools)** is being offered covering various web development software tools and technologies for creating dynamic websites.

Prior offerings of NET 395 include the following special topics courses:

- Spring 2023 – Single-board Systems & Linux
- Fall 2022 – *Modern Web Design*
- Spring 2022 -- Cloud Technology Foundations
- Fall 2021 -- *Pi and IoT*
- Spring 2021 -- *Web Dev Technology*
- Fall 2020 -- *Cloud Essentials*
- Spring 2020 -- *Internet of Things*
- Fall 2019 -- *Linux Systems & Applications*
- Spring 2019 -- *Web systems*
- Fall 2018 -- *Advanced Net Systems*
- Spring 2018 -- *Advanced Computing Systems*
- Fall 2017 -- *Networking & Linux*
- Spring 2017 -- *Ethical Hacking*
- Fall 2016 -- *Cyber Warfare & Security*
- Spring 2016 -- *Security Audit & Pen Testing*

AAS (Technology-concentration in Computer Electronics) degree requirements:

University Requirements

Student Success Seminar (BTO 100) .... 1 hr
General Education Requirements .... 18 hrs
ENG 101 (GElement 1A) and 102 (GElement 1B) or 105; MAT (112A and 112B) or higher (GElement 2); humanities (GElement 3B or 3A/B); ECO 230 (GElement 5B); CMS 100 or 210 or EES 250 (GElement 1C).
Concentration Requirements .... 39 hrs
Computer Electronics Concentration
(AEM 352 or EET 253 or 351); (CSC 160 or higher; or CIS 215 or higher); EET 251, 252, 257; NET 302, 303, 343, 349(1), 354, 395 or 403, 399 or 499; PHY 101 or higher in GenEd E-4; TEC 161.
Free Electives .... 1 hr
Total Curriculum Requirements .... 60 hrs

Semester-by-semester visual program maps: AAS (Technology-Computer Electronics)

Curriculum changes in the process of being approved starting fall 2022 the AAS (Technology) degree include:

- Change 1-credit hour orientation course, BTS 100, to SCO 100, related to Student Success Seminar in the STEM College for AET department students

MS (Technology Management-concentration in Cyber Systems Tech Security) degree requirements:

Major Requirements..**9 hrs**
- **AEM 801**   Economics for Lean Operations
- **AEM 804**   Project Management
- **TEC 830**   Creative Problem Solving

Cyber Systems Security concentration ....**9 hrs**
- **NSM 815**   Foundations of Network Security
- **NSM 845**   Advanced Server Security
- **NSM 895**   Special Topics in NSM

Supporting Course Requirements ....**6 hrs**
This is not a complete list; other electives may be selected by advisement, including a number of MBA courses.
Please check the pre-requisite requirements for these courses before enrolling.

- **CSC 720**   Multimedia Systems and Forensics
- **CSC 730**   Concepts of Programming Systems
- **CSC 744**   Database Admin and Security
- **CSC 747**   Network Forensics and Investigation
- **CSC 748**   Personal Electronic Device Forensics
- **CSC 815**   Computer Admin and Security
- **CSC 825**   Network Applications and Security
- **CSC 834**   Software Engineering and Project Management I
- **CSC 835**   Software Engineering and Project Management II
- **CTE 800**   Occupational Training Materials
- **CTE 801**   Occupational Training Methods
- **CTE 888**   Occupational Information
- **EDC 810**   K-12 Ed/Tech: Critical Issues
- **HLS 830**   Natural Hazards & Threats to the Nation
- **NSM 865**   Wireless & Mobile Security

- **PSY 804**   Intro to Industrial-Organizational Psychology
- **PSY 873**   Organizational Psychology
- **PSY 874**   Organization Change and Development
- **PSY 875**   Training and Development
- **SSE 827**   Issues in Security Management
- **SSE 828**   Industrial Safety Management
- **SSE 845**   Personal/Environmental Hazards
- **SSE 850**   Ergonomics & Human Factors
- **SSE 851**   Human Factors in Simple and Complex Systems
- **SSE 852**   Ergonomics Process & Practice
- **STA 700**   Applied Statistical Inference
- **STA 770**   QC & Reliability
- **TEC 867**   Independent Study in Technology
- **UNP 700**   Study Abroad

Synthesis Experience ....**6 hrs**
TEC 860 (3 hrs) and **AEM 821** (3 hrs), <u>OR</u> **AEM 839** (6 hrs)
- **TEC 860**   Research in Technology (3 hrs)
- **AEM 821**   Technology Project (3 hrs)
- **AEM 839**   Applied Learning in Tech Management (6 hrs)

Technology Management Exit Requirement ....**0 hrs**
- **GRD 868b** Technology Management Oral Comprehensive Exam

Total Program Requirements .... **30 hrs**

3+2 BS (CST-NET) map: http://people.eku.edu/chandrav/NET/Advising/AdvisingMap3+2BS-CST-NET.pdf

3+2 BS (CST-TecSys) map http://people.eku.edu/chandrav/NET/Advising/AdvisingMapBS-CST-TecSys.pdf

3+2 BS (CST-NET) + MS (Tech Mgt – CSTS) curriculum guide

http://people.eku.edu/chandrav/NET/Advising/3+2BS+MS-CST-NetSecEle-TecMan--fa2022.pdf

3+2 BS (CST-Tech Systems) + MS (Tech Mgt – CSTS) curriculum guide

http://people.eku.edu/chandrav/NET/Advising/3+2BS+MS-CST-TechSystems-TecMan--fa2022.pdf

Semester-by-semester planner on Page 8-9 of MS degree – part- and full-time

University certificate in Cyber Systems and Network Security

This certificate program will enhance technical competencies, including the knowledge, skills, and work practices, used for securing networked cyber systems. For students interested in continuing their studies at the Baccalaureate level, all of the courses in this certificate may be used as part of the BS degree program related to Cyber Systems Technology.

Program Requirements

Certificate Requirements		
Choose from one of the following:		3
CSC 160	Introduction to Web Programming (or higher)	
CIS 215	Introduction to Business Programming (or higher)	
INF 130	3D Printing (or higher)	
EET 252	Digital Electronics	3
NET 302	PC Troubleshooting & Construction	3
NET 303	LANs & PC Communications	3
NET 343	Network Switches & Routers	3
NET 354	Microcomputer & Network Security	3
NET 403	Advanced LANSs and PC Communication	3
NET 395	Special Topics in NET	3
or EET 351	Programmable Logic Controllers	
Total Hours		**24**

https://catalogs.eku.edu/undergraduate/science-technology-engineering-mathematics/computer-science-information-technology/cyber-systems-network-security-certificate/#programrequirementstext

Minor in Computer Electronics Technology (CET)

Required Courses		
EET 251	Electricity and Electronics	3
EET 252	Digital Electronics	3
Choose from one of the following:		3
EET 253	Microprocessor Control Systems	
EET 351	Programmable Logic Controllers	
AEM 352	Robotics and Automated Systems	
NET 302	PC Troubleshooting & Construction	3
NET 303	LANs & PC Communications	3
Choose from one of the following:		3
NET 343	Network Switches & Routers	
NET 354	Microcomputer & Network Security	
NET 395	Special Topics in NET	
	Upper-division NET course approved by advisor	
Exit Requirements		
Students must take an assessment examination for completing the minor.		
NET 367B	Exit Exam for Minor in Computer Electronics Technology (CR only, no hours)	0
Total Hours		**18**

Prerequisites may be required for some course selections.

https://catalogs.eku.edu/undergraduate/science-technology-engineering-mathematics/computer-science-information-technology/computer-electronics-technology-minor/

Undergrad and Grad Cyber Systems Program [course descriptions](#)

NET program Twitter page: https://twitter.com/net_eku

[Flyer for Cyber Systems Technology related programs](#)

Plan out your Fall/Summer schedule: https://freecollegeschedulemaker.com/
(Use a web based live online free college schedule maker for planning out your fall and summer 2023 schedule)

Or

https://www.coursicle.com/eku/

(A handy tool for planning your fall/summer classes. It also identifies the CRN (Course Registration Number) associated with each course)

EET and NET courses being offered in Fall 2023

Semester-by-semester program maps: [BS (CST-net)](), [AAS (Technology-Computer Electronics)]()

EET and NET undergrad classes:

Title	Subject D	Course Num	Hours	CRN	Term	Instructor	Meeting Times	Campus	Status	Instructional Methods
Electricity and Electronics L/LB Lecture w/Lab included	EET ...	251	3	11019	Fall 2023	Ray Richardson...	S M T W T F S 10:10 AM - 12:05 PM **Type:** Class **Building:** Whalin Complex **Room:** 400	Richmond	18 ...	Traditional Face-to-Face
Electricity and Electronics L/LB Lecture w/Lab included	EET ...	251	3	10538	Fall 2023	Ray Richardson...	S M T W T F S 11:00 AM - 12:55 PM **Type:** Class **Building:** Whalin Complex **Room:** 400	Richmond	18 ...	Traditional Face-to-Face
Digital Electronics L/LB Lecture w/Lab included	EET ...	252	3	10112	Fall 2023	Ray Richardson...	S M T W T F S 02:30 PM - 04:25 PM **Type:** Class **Building:** Whalin Complex **Room:** 403 S M T W T F S 02:30 PM - 04:25 PM **Type:** Class **Building:** Whalin Complex **Room:** 400	Richmond	18 ...	Traditional Face-to-Face
Digital Electronics L/LB Lecture w/Lab included	EET ...	252	3	10113	Fall 2023	Vigs Chandra (P...	S M T W T F S 08:00 AM - 09:55 AM **Type:** Class **Building:** Whalin Complex **Room:** 407 S M T W T F S 08:00 AM - 09:55 AM **Type:** Class **Building:** Whalin Complex **Room:** 400	Richmond	18 ...	Traditional Face-to-Face
Programmable Logic Controllers L/LB Lecture w/Lab included	EET ...	351	3	11722	Fall 2023	Anthony Friend ...	S M T W T F S 08:00 AM - 09:55 AM **Type:** Class **Building:** Whalin Complex **Room:** 403 S M T W T F S 08:00 AM - 09:55 AM **Type:** Class **Building:** Whalin Complex **Room:** 205	Richmond	16 ...	Traditional Face-to-Face
PC Troubleshooting & Construction L/LB Lecture w/Lab included	NET ...	302	3	10559	Fall 2023	Jeffery Kilgore ...	S M T W T F S 02:30 PM - 04:25 PM **Type:** Class **Building:** Whalin Complex **Room:** 404	Richmond	16 ...	Traditional Face-to-Face
LANs & PC Communications L/LB Lecture w/Lab included	NET ...	303	3	11022	Fall 2023	Jagger Coffey (...	S M T W T F S 02:00 PM - 03:55 PM **Type:** Class **Building:** Whalin Complex **Room:** 400	Richmond	18 ...	Traditional Face-to-Face
Network Switches & Routers L/LB Lecture w/Lab included	NET ...	343	3	11532	Fall 2023	Vigs Chandra (P...	S M T W T F S 12:20 PM - 02:15 PM **Type:** Class **Building:** Whalin Complex **Room:** 400 S M T W T F S 12:20 PM - 02:15 PM **Type:** Class **Building:** Whalin Complex **Room:** 407	Richmond	18 ...	Traditional Face-to-Face
Advanced Network Devices L/LB Lecture w/Lab included	NET ...	344	3	11064	Fall 2023	Vigs Chandra (P...	S M T W T F S 05:00 PM - 08:45 PM **Type:** Class **Building:** Whalin Complex **Room:** 407 S M T W T F S 05:00 PM - 08:45 PM **Type:** Class **Building:** Whalin Complex **Room:** 400	Richmond	18 ...	Traditional Face-to-Face
Applied Learning in NET COOP Cooperative Education	NET ...	349	0....	11378	Fall 2023	Vigs Chandra (P...	S M T W T F S - **Type:** Class **Building:** None **Room:** None **Start Date:** 08/14/2023 **End**	Richmond	ⓘ F	Applied Learning Experience
Microcomputer & Network Security L/LB Lecture w/Lab included	NET ...	354	3	10560	Fall 2023	Rendong Bai (P...	S M T W T F S 02:30 PM - 04:25 PM **Type:** Class **Building:** Wallace Bldg **Room:** 430 Sta	Richmond	18 ...	Traditional Face-to-Face
Exit Exam/Tech Computer Elect Exit Exam- Graduation Reqrmnt	NET ...	367A	0	11062	Fall 2023	Vigs Chandra (P...	S M T W T F S - **Type:** Class **Building:** None **Room:** None **Start Date:** 08/14/2023 **End**	Richmond	20 ...	Applied Learning Experience
Exit Exam/Minor Comp Elect Tec Exit Exam- Graduation Reqrmnt	NET ...	367B	0	11063	Fall 2023	Vigs Chandra (P...	S M T W T F S - **Type:** Class **Building:** None **Room:** None **Start Date:** 08/14/2023 **End**	Richmond	20 ...	Applied Learning Experience
Comp Net Management Tools SPE Special	NET ...	395	3	12296	Fall 2023	Jeffery Kilgore (...	S M T W T F S 10:10 AM - 12:05 PM **Type:** Class **Building:** Whalin Complex **Room:** 404	Richmond	16 ...	Traditional Face-to-Face
Advanced LANSs and PC Communication L/LB Lecture w/Lab included	NET ...	403	3	11214	Fall 2023	Rendong Bai (P...	S M T W T F S 02:00 PM - 03:55 PM **Type:** Class **Building:** Wallace Bldg **Room:** 430 Sta	Richmond	18 ...	Traditional Face-to-Face
Exit Exam/BS NET Exit Exam- Graduation Reqrmnt	NET ...	467	0	11061	Fall 2023	Vigs Chandra (P...	S M T W T F S - **Type:** Class **Building:** None **Room:** None **Start Date:** 08/14/2023 **End**	Richmond	20 ...	Applied Learning Experience

Links to BS(CST/NET) and AAS(Technology-CE) capstone projects (NET499/399): [Spring 2022](), [Spring 2021]() and earlier student capstone projects available through [Prof. Vigs' web page]()

NET 467 (Exit Exam for BS), NET 367A (Exit Exam for AAS), NET 367B (Exit Exam for Minor) all require completion of an online exam covering 3 areas (Networking, Computer Systems, Electricity & Electronics), 20 objective type questions each, and a hands-on lab in these three areas as well. Additionally, BS (NET/CST) student need to take an adviser approved certification. Additional information about this is available on page 56 of this doc.

3+2 BS (CST)

The accelerated 3+2 BS (CST) degree program permits students to get a jump start on future graduate program that is closely related to the BS degree. In this case, the related future MS degree would be the MS in Technology Management, with a concentration in Cyber Systems Tech Security. Refer to the 3+2 degree flyer for additional information about this program.

Students in the 3+2 accelerated BS (NET) program may take the following 3 grad courses and count these in both their BS (NET) and future MS (AETM-NSM concentration) coursework.

For students who started the 3+2 accelerated BS(CST) program in Fall 2019 or later the 3 grad courses they can double-count in the BS and MS degrees are: NSM 815 (Foundations of Network Security), NSM 845 (Advanced Server Security), and AEM 804. Of these, NSM 815 and AEM 804 are being offered in the fall 2023 semester.

Title	Subject De	Course Num	Hours	CRN	Term	Instructor	Meeting Times	Campus	Status	Instructional Methods
Foundations of Network Sec L/LB Lecture w/Lab included	NSM …	815	3	12028	Fall 2023	Rendong Bai (Primary)	S M **T** W T F S 05:00 PM - 09:00 PM Type: Class Building: Internet Classes Room: None	Richmond	10 …	100% Online: Synchronous
Foundations of Network Sec L/LB Lecture w/Lab included	NSM …	815	3	12781	Fall 2023	Rendong Bai (Primary)	S M **T** W T F S 05:00 PM - 09:00 PM Type: Class Building: Whalin Complex Room: 408	Richmond	10 …	Traditional Face-to-Face

Title	Subject D	Course N	Hours	CRN	Term	Instructor	Meeting Times	Campus	Status	Attrib	Instructional Methods
Project Management LEC Lecture	AEM …	804	3	11103	Fall 2023	Dennis Field …	S **M** T W T F S 11:15 AM - 12:05 PM Type: Class Building: Whalin Complex Room: 306 Start Date: 08/14/2023 End Date: 10/06/2023	Richmond	10 …		Web-blended: Asynchronous
Project Management LEC Lecture	AEM …	804	3	11302	Fall 2023	Dennis Field …	S M T W T F S - Type: Class Building: Internet Classes Room: None Start Date: 08/14/2023 End Date: 10/06/2023	Richmond	10 …		100% Online: Asynchronous

Juniors and seniors with a 3.0 GPA or higher may fill out the online 3+2 Enrollment Request form:
https://success.eku.edu/register/3+2enrollment#_ga=2.226754461.1235401688.1648737327-1921516019.1560180921

If you are logged into EKU using your credentials, this 3+2 enrollment form will automatically get filled in with the relevant information. Verify the information, sign it electronically, submit. As this process is new, also consult with Prof. Vigs regarding the admission process into the 3+2 program.

Concurrent enrollment in BS (CST) and MS degree courses:

BS (CST) students within 30 hours of completion of their degree, with a 3.0 GPA or higher, may enroll concurrently in graduate level courses (total undergrad/grad class load limited to 15 hours) following completion of appropriate paperwork. Meet with your advisor to discuss the procedure for concurrent enrollment in grad classes.

Note that normally no graduate level classes taken concurrently with undergraduate level ones may not be used to fulfill any undergrad requirements. Only when the student is also part of a 3+2 degree program, can pre-specified graduate level courses taken concurrently with undergraduate courses be used for fulfilling the requirements of the current undergraduate, and if applicable, the specified graduate degree program the student may choose to enroll in the future.

The NSM 895 can be taken only by MS (TM – CSTS) students or those in the concurrent BS-MS degree program with appropriate authorizations from the AE&T department and EKU grad school. The concurrent BS-MS degree does not permit double-counting of courses between the undergraduate and graduate degrees, unlike the 3+2 BS (CST) degree, which allows selected graduate-level courses (NSM 815, 845, AEM 804) to be counted both for the BS (CST) degree and possible MS (TM) degree is the student continues to our MS degree.

NSM 895

Title	Subject De	Course I	Hours	CRN	Term	Instructor	Meeting Times	Campus	Status	Instructional Methods
Hacking Tools and Techniques SPE Special	NSM ...	895	3	13641	Fall 2023	David Freet ...	S M T W T F S - Type: Class Building: Internet Classes Room: None Start D	Richmond	16 o...	100% Online: Asynchronous

At least 1 credit hour Co-operative Education requirement (NET 349) for BS (CST) and AAS (Tech-CE) majors

For students who have completed NET 302 (PC Construction & Troubleshooting), NET 303 (LANs & PC Communications), and possibly NET 354 (Microcomputer/Network Security), NET 403 (Advance LANs & PC Communications), or NET 395 (Special Topics in NET), you may consider putting your knowledge and skills to work earning college credit (and $) while developing professional work practices. Following an approval process through the EKU Career & Co-operative Education office, in consultation with our work supervisor, 1 credit hour of NET 349 may be awarded for a minimum of 80 hours of work. Some assistance for finding co-op is offered through the EKU co-op office, through personal contacts, IT on-campus jobs, and job fairs. Starting the process early (in your Sophomore or Junior years) is recommended as it requires coordination across multiple units on and off campus.

Several computer tech related **student jobs** are general available on campus.. Students may consider applying for these through: https://jobs.eku.edu . Once hired, with your job supervisor's approval for participating in this process, and in consultation with Ms. Zoie Webb (Zoie.Webb@eku.edu, 859-622-5828, Whitlock 468) at the EKU Co-op office, and NET co-op coordinator's (Prof. Vigs) students may be able to use tech related positions toward the co-operative education requirement. Students do not register themselves for co-op, the EKU co-op office will get the students registered.

The EKU co-op process requires use of an online software – Handshake. Log in using your EKU student credentials -- https://oacs.eku.edu/get-handshake

Students do not directly register for co-op; they must first update their Handshake profile by completing a "Survey" available under the "Career Center" drop down menu. Once you do this, you will be able to "Request an Experience" with an employer you are currently employed with.

In case you are seeking a co-op position, you fill out the Survey portion, and can then set up an appointment to speak with a representative at the co-op office regarding placement processes. You will need an updated copy of your resume which potential employers can look at and then potentially invite you for an interview.

For students who are already working in an IT related field you can use this as a co-op experience provided you have authorization of BOTH your supervisor and approval from the EKU co-op office. Your supervisor will be evaluating the co-op work using a form developed by the EKU co-op office. You will also need to fill out a co-op agreement regarding professional workplace responsibilities, and at the end of the semester submit a time sheet and signed by your supervisor. During regular semesters a minimum of 80 hours of work spread over at least 10 weeks or more is required. After filling out the "Survey" in Handshake, students fill out details regarding their position including supervisor name, contact information, title; information about their job (title, work responsibilities, hours, pay, duration, etc.).

Co-op instructions are available here: http://people.eku.edu/chandrav/NET/Advising/How_to_submit_an_Experience_for_a_Co-op-Internship.pdf

Once you have found a suitable IT internship position, the following information will be needed while applying for using it toward co-op credit (NET 349) at EKU, in coordination with your work supervisor, Prof. Vigs, and the EKU co-op office of Advising and Career Services:
- Contact information about the company/organization name – Company's location, phone, email
- Your job title:

- Department:
- Job Type:
- Salary:
- Accepted offer (when):
- Duration: You may indicate just the start date, leaving the end date open if that date has not been decided yet, or if your work at the company continues beyond the semester.
- ID 901 Number:
- Supervisor name:
- Supervisor email:
- Job description:
- Hours per week:
- Coop/Internship Major: **NET (not CSC)**
- Students must work a minimum of 80 hours per credit hour requested: **1**
- Undergrad/Grad:
- Job Source (where did you hear about this job?):
- Is this internship located outside of KY:

later in the semester in which you are completing the co-op both you and your work supervisor will have the opportunity to participate in a survey form developed by the EKU co-op office. The survey categories, as they apply to the student's role in the co-op are:

- Proactivity (motivation, positive attitude, and initiative)
- Professionalism (punctuality, integrity, responsibility, and response to supervision)
- Interpersonal Skills (positive relationships with everyone, teamwork, and active listening)
- Communication Skills (speaking, writing, and presenting)
- Critical Thinking (critical reading, evaluating situations, decision-making to solve problems, application of classroom learning, and learning on the job)
- Delivering (prioritizing goals, time management, use of resources and technology, adaptation to change, and producing quality work)
- Comments regarding overall performance
- Identifying strengths and weaknesses
- Suggestions for professional development

Also, towards the end of the semester, you will also be uploading a timesheet signed by your supervisor and making it viewable in Handshake.

If you have any follow-up queries or comments about the co-op process let me know or contact the EKU Office of Advising and Career Services office - - https://oacs.eku.edu/, Phone: (859) 622-1296, oacs@eku.edu.

Computer Applications Course TEC 161 Requirement in Fall 2023

TEC 161 (Computer Applications in Industry) is required for BS (CST) and AAS (Tec-CE)

Title	Subject	Course N	Hours	CRN	Term	Instructor	Meeting Times	Campus	Status	A	Instructional Methods
Computer Applications in Technology L/LB Lecture w/Lab included	TEC...	161	3	10125	Fall 2023	Anthony Friend (P...	S M W T F S 12:20 PM - 02:15 PM Type: Class Building: Whalin Complex Room: 340 Start	Richmond	22 o...		Traditional Face-to-Face
Computer Applications in Technology L/LB Lecture w/Lab included	TEC...	161	3	11451	Fall 2023	Justin Goldstein (...	S M T W F S 11:00 AM - 12:55 PM Type: Class Building: Whalin Complex Room: 340 Start	Richmond	22 o...		Traditional Face-to-Face
Computer Applications in Technology L/LB Lecture w/Lab included	TEC...	161	3	10126	Fall 2023	Lisa Oakes (Prima...	S M T W F S 05:00 PM - 06:55 PM Type: Class Building: Whalin Complex Room: 340 Start	Richmond	22 o...		Traditional Face-to-Face
Computer Applications in Technology L/LB Lecture w/Lab included	TEC...	161	3	14006	Fall 2023	Anthony Friend (P...	S M W T F S 04:40 PM - 06:35 PM Type: Class Building: Whalin Complex Room: 340 Start	Richmond	23 o...		Traditional Face-to-Face

Starting Fall 2022 (subject to successful passing of the proposed curriculum changes by EKU) INF 104 may be taken as an alternative to TEC 161

Title	Subject	Course N	Hours	CRN	Term	Instructor	Meeting Times	Campus	Status	Instructional Methods
Computer Literacy with Software Applications LEC Lecture	INF ...	104	3	13300	Fall 2023	Patricia Miller (Primary)	S M T W T F S - Type: Class Building: Internet Classes Room: None Start Date: 08	Richmond	30 ...	100% Online: Asynchronous
Computer Literacy with Software Applications LEC Lecture	INF ...	104	3	11550	Fall 2023	Jill Carnahan-Jarvis (...	S M T W T F S - Type: Class Building: Internet Classes Room: None Start Date: 08	Richmond	30 ...	100% Online: Asynchronous
Computer Literacy with Software Applications LEC Lecture	INF ...	104	3	13990	Fall 2023	Wayne Dubbels (Pri...	S M T W T F S 06:00 PM - 08:45 PM Type: Class Building: Wallace Bldg Room: 445	Richmond	24 ...	Traditional Face-to-Face
Computer Literacy with Software Applications LEC Lecture	INF ...	104	3	12496	Fall 2023	Cindy Bragg (Primary) Patricia Miller	S M T W T F S - Type: Class Building: Internet Classes Room: None Start Date: 08	On-line Student	300...	100% Online: Asynchronous

AEM Classes being offered in Fall 2023 needed for BS (CST) degree:

BS (NET/CST) requires AEM 202, 310W, 407, 408. Students may take AEM 352 as an alternative to either EET 351 or EET 253.

AEM 202

Title	Subject De	Course Nur	Hours	CRN	Term	Instructor	Meeting Times	Campus	Status	Instructional Methods
Introduction to Quality LEC Lecture	AEM ...	202	3	10554	Fall 2023	Dennis Field (...	S M **T** W **T** F S 09:30 AM - 10:45 AM Type: Class Building: Whalin Complex Room: 340	Richmond	23...	Traditional Face-to-Face

Pre-req. for AEM 202: Undergraduate level STA 215 Minimum Grade of D- or Undergraduate level STA 270 Minimum Grade of D- and (Undergraduate level MAT 107 Minimum Grade of D- or Undergraduate level MAT 108 Minimum Grade of D- or Undergraduate level MAT 109 Minimum Grade of D- or Undergraduate level MAT 124 Minimum Grade of D- or Undergraduate level MAT 124H Minimum Grade of D- or Undergraduate level MAT 211 Minimum Grade of D- or Undergraduate level MAT 120 Minimum Grade of D- or Undergraduate level MAT 122 Minimum Grade of D- or Undergraduate level MAT 114 Minimum Grade of D- or Undergraduate level MAT 217 Minimum Grade of D- or Undergraduate level MAT 117 Minimum Grade of D- or Undergraduate level MAT 234 Minimum Grade of D- or Undergraduate level MAT 234H Minimum Grade of D-)

AEM 310W

Title	Subject De	Course Nur	Hours	CRN	Term	Instructor	Meeting Times	Campus	Status	Instructional Methods
Technical Communication LEC Lecture	AEM ...	310	3	14189	Fall 2023	Ray Richardson ...	S M **T** W **T** F S 09:30 AM - 10:45 AM Type: Class Building: Whalin Complex Room: 341	Richmond	20...	Traditional Face-to-Face

Pre-req. for AEM 310W: (Undergraduate level ENG 102 Minimum Grade of D or Undergraduate level ENG 105 Minimum Grade of B or Undergraduate level HON 102 Minimum Grade of D) and Undergraduate level TEC 161 Minimum Grade of D

AEM 407

Title	Subject De	Course Nur	Hours	CRN	Term	Instructor	Meeting Times	Campus	Status	Instructional Methods
Fundamentals of Project Management LEC Lecture							S M T W T F S ... Type: Class Building: Whalin Complex ...			

Pre-req. for AEM 407: Undergraduate level AEM 202 Minimum Grade of D.

An alternative to AEM 407 in case you need it to graduate this fall semester and have a time-overlap between this class and another, please discuss the possibility taking alternate coursework with your academic advisor.

AEM 408

225H Minimum Grade of C or Undergraduate level MAT 234 Minimum Grade of C or Undergraduate level MAT 234H Minimum Grade of C or Undergraduate level MAT 239 Minimum Grade of C or Undergraduate level MAT 244 Minimum Grade of C or Undergraduate level MAT 254 Minimum Grade of C or Undergraduate level MAT 261 Minimum Grade of C or Undergraduate level MAT 301 Minimum Grade of C or Undergraduate level MAT 303 Minimum Grade of C or SAT Mathematics 560 or SAT Math Section Score 560 or ACT Math 22

For students with ACT Math sub-scores which allow taking higher level math such as pre-calculus/applied calculus (minimum 23 ACT math), or Calculus I (minimum 25 ACT math) would be preferred. Please discuss this with your academic advisor.

MAT 122

Title	Subject De	Course Nu	Hours	CRN	Term	Instru	Meeting Times	Campus	Status	Instructional Methods
Precalculus Mathematics LEC Lecture	MAT ...	122	5	12100	Fall 2023		S M T W T F S 09:05 AM - 10:30 AM Type: Class Building: Wallace Bldg Room: 434	Richmond	20 ...	Traditional Face-to-Face
Precalculus Mathematics LEC Lecture	MAT ...	122	5	11183	Fall 2023		S M T W T F S 08:00 AM - 08:50 AM Type: Class Building: Wallace Bldg Room: 147 S M T W T F S 08:00 AM - 09:15 AM Type: Class Building: Wallace Bldg Room: 147	Richmond	20 ...	Traditional Face-to-Face
Precalculus Mathematics LEC Lecture	MAT ...	122	5	11184	Fall 2023		S M T W T F S 11:00 AM - 12:15 PM Type: Class Building: Wallace Bldg Room: 349 S M T W T F S 11:15 AM - 12:05 PM Type: Class Building: Wallace Bldg Room: 349	Richmond	20 ...	Traditional Face-to-Face
Precalculus Mathematics LEC Lecture	MAT ...	122	5	12114	Fall 2023		S M T W T F S 10:10 AM - 11:35 AM Type: Class Building: Wallace Bldg Room: 345	Richmond	20 ...	Traditional Face-to-Face
Precalculus Mathematics LEC Lecture	MAT ...	122	5	11185	Fall 2023		S M T W T F S 01:25 PM - 02:15 PM Type: Class Building: Wallace Bldg Room: 434 S M T W T F S 02:00 PM - 03:15 PM Type: Class Building: Wallace Bldg Room: 434	Richmond	20 ...	Traditional Face-to-Face

Prerequisites: Undergraduate level MAT 107 Minimum Grade of C or Undergraduate level MAT 112 Minimum Grade of C or Undergraduate level MAT 112B Minimum Grade of C or Undergraduate level MAT 114 Minimum Grade of C or SAT Mathematics 550 or SAT Math Section Score 570 or ACT Math 23

MAT 211

Title	Subject De	Course Nu	Hours	CRN	Term	Instru	Meeting Times	Campus	Status	Instructional Methods
Applied Calculus LEC Lecture	MAT ...	211	3	11188	Fall 2023		S M T W T F S 09:05 AM - 09:55 AM Type: Class Building: Wallace Bldg Room: 432	Richmond	20 ...	Traditional Face-to-Face
Applied Calculus LEC Lecture	MAT ...	211	3	10707	Fall 2023		S M T W T F S 12:30 PM - 01:45 PM Type: Class Building: Wallace Bldg Room: 434	Richmond	20 ...	Traditional Face-to-Face

Prerequisites: Undergraduate level MAT 107 Minimum Grade of C or Undergraduate level MAT 108 Minimum Grade of C or Undergraduate level MAT 112 Minimum Grade of C or Undergraduate level MAT 112B Minimum Grade of C or Undergraduate level MAT 114 Minimum Grade of C or Undergraduate level MAT 120 Minimum Grade of C or Undergraduate level MAT 122 Minimum Grade of C or ACT Math 23 or SAT Mathematics 550 or SAT Math Section Score 550

MAT 234

Title	Subject De	Course Nu	Hours	CRN	Term	Instru	Meeting Times	Campus	Status	Instructional Methods
Calculus I LEC Lecture	MAT ...	234	4	11186	Fall 2023		S M T W T F S 09:05 AM - 09:55 AM Type: Class Building: Wallace Bldg Room: 149 Sta S M T W T F S 09:30 AM - 10:45 AM Type: Class Building: Wallace Bldg Room: 149 Sta	Richmond	20 ...	Traditional Face-to-Face
Calculus I LEC Lecture	MAT ...	234	4	11187	Fall 2023		S M T W T F S 09:30 AM - 11:10 AM Type: Class Building: Wallace Bldg Room: 344 Sta	Richmond	20 ...	Traditional Face-to-Face
Calculus I LEC Lecture	MAT ...	234	4	12547	Fall 2023		S M T W T F S 11:15 AM - 12:25 PM Type: Class Building: Wallace Bldg Room: 434 Sta	Richmond	20 ...	Traditional Face-to-Face
Calculus I LEC Lecture	MAT ...	234	4	12756	Fall 2023		S M T W T F S 01:25 PM - 02:35 PM Type: Class Building: Wallace Bldg Room: 349 Sta	Richmond	20 ...	Traditional Face-to-Face

Prerequisites: Undergraduate level MAT 109 Minimum Grade of C or Undergraduate level MAT 122 Minimum Grade of C or ACT Math 27 or SAT Mathematics 640 or SAT Math Section Score 640 or KyOTE Calculus Test 15

MAT 244

Title	Subject De	Course Nu	Hours	CRN	Term	Instru	Meeting Times	Campus	Status	Instructional Methods
Calculus II LEC Lecture	MAT ...	244	4	11191	Fall 2023		S M T W T F S 08:00 AM - 08:50 AM Type: Class Building: Wallace Bldg Room: 344 S M T W T F S 08:00 AM - 09:15 AM Type: Class Building: Wallace Bldg Room: 344	Richmond	20 ...	Traditional Face-to-Face
Calculus II LEC Lecture	MAT ...	244	4	13998	Fall 2023		S M T W T F S 12:20 PM - 01:10 PM Type: Class Building: Wallace Bldg Room: 149 S M T W T F S 12:30 PM - 01:45 PM Type: Class Building: Wallace Bldg Room: 149	Richmond	20 ...	Traditional Face-to-Face

Undergraduate level MAT 124 Minimum Grade of C or Undergraduate level MAT 124H Minimum Grade of C or Undergraduate level MAT 234 Minimum Grade of C or Undergraduate level MAT 234H Minimum Grade of C or AP Calculus AB 3 or AP Calculus BC 3

Statistics supporting courses being offered in Fall 2023

STA 215 or higher are needed for BS (NET) degree.

Title	Subject D	Course Nu	Hours	CRN	Term	Instr	Meeting Times	Campus	Status	Instructional Methods
Introduction to Statistical Reasoning LEC Lecture	STA ...	215	3	10885	Fall 2023		S M T W T F S 12:20 PM - 01:10 PM **Type: Class Building:** Wallace Bldg **Room:** 432 **Start**	Richmond	20 ...	Traditional Face-to-Face
Introduction to Statistical Reasoning LEC Lecture	STA ...	215	3	10546	Fall 2023		S M T W T F S 10:10 AM - 11:00 AM **Type: Class Building:** Wallace Bldg **Room:** 344 **Start**	Richmond	20 ...	Traditional Face-to-Face
Introduction to Statistical Reasoning LEC Lecture	STA ...	215	3	11910	Fall 2023		S M T W T F S 03:35 PM - 04:50 PM **Type: Class Building:** None **Room:** None **Start Date**	Richmond	60 ...	Traditional Face-to-Face
Introduction to Statistical Reasoning LEC Lecture	STA ...	215	3	10244	Fall 2023		S M T W T F S 02:00 PM - 03:15 PM **Type: Class Building:** None **Room:** None **Start Date**	Richmond	20 ...	Traditional Face-to-Face
Introduction to Statistical Reasoning LEC Lecture	STA ...	215	3	10550	Fall 2023		S M T W T F S 11:00 AM - 12:15 PM **Type: Class Building:** Wallace Bldg **Room:** 147 **Start**	Richmond	20 ...	Traditional Face-to-Face
Introduction to Statistical Reasoning LEC Lecture	STA ...	215	3	11193	Fall 2023		S M T W T F S 06:00 PM - 07:15 PM **Type: Class Building:** Wallace Bldg **Room:** 147 **Start** S M T W T F S 06:00 PM - 07:15 PM **Type: Class Building:** Internet Classes **Room:** None	Richmond	20 ...	Web-blended: Synchronous
Introduction to Statistical Reasoning LEC Lecture	STA ...	215	3	11840	Fall 2023		S M T W T F S 06:00 PM - 07:15 PM **Type: Class Building:** Internet Classes **Room:** None S M T W T F S 06:00 PM - 07:15 PM **Type: Class Building:** Wallace Bldg **Room:** 147 **Start**	Richmond	20 ...	Web-blended: Synchronous

Prerequisites: Prerequisite/Corequisite: Completion of academic readiness indicators in English and reading [(**ACT English score of 18 or higher and ACT Reading score of 20 or higher**) or SAT Reading + Writing score of 480 or higher **or ENG 101 or ENG 101R(C) or a minimum placement test score**]

AND [**ACT Mathematics score of 19 or higher** or SAT Mathematics score of 500 or higher **or a minimum placement test score or concurrent enrollment in STA 215P**.]

Title	Subject D	Course Nu	Hours	CRN	Term	Instr	Meeting Times	Campus	Status	Instructional Methods
Quantitative Support for STA 215 LABO Lab:graded w/cr hrs	STA …	215P	1	11854	Fall 2023		S M T W T F S 11:15 AM - 12:05 PM **Type:** Class **Building:** Wallace Bldg **Room:** 444	Richmond	15 …	Traditional Face-to-Face
Quantitative Support for STA 215 LABO Lab:graded w/cr hrs	STA …	215P	1	11855	Fall 2023		S M T W T F S 05:00 PM - 05:50 PM **Type:** Class **Building:** Wallace Bldg **Room:** 343	Richmond	15 …	Traditional Face-to-Face
Quantitative Support for STA 215 LABO Lab:graded w/cr hrs	STA …	215P	1	13570	Fall 2023		S M T W T F S 12:30 PM - 01:20 PM **Type:** Class **Building:** Wallace Bldg **Room:** 448	Richmond	15 …	Traditional Face-to-Face

STA 270

Title	Subject De	Course Num	Hours	CRN	Term	Meeting Times	Campus	Status	Attrib	Instructional Methods
Applied Statistics LEC Lecture	STA St...	270	4	10245	Fall 2023	S M T W T F S 09:05 AM - 09:55 AM Type: Class Building: Wallace Bldg Room: 147 Start Date: 08/14/2023 En S M T W T F S 09:30 AM - 10:45 AM Type: Class Building: Wallace Bldg Room: 147 Start Date: 08/14/2023 En	Richmond	20 ...	G... G... G... G...	Traditional Face-to-Face
Applied Statistics LEC Lecture	STA St...	270	4	11194	Fall 2023	S M T W T F S 11:00 AM - 12:15 PM Type: Class Building: Wallace Bldg Room: 149 Start Date: 08/14/2023 En S M T W T F S 11:15 AM - 12:05 PM Type: Class Building: Wallace Bldg Room: 149 Start Date: 08/14/2023 En	Richmond	20 ...	G... G... G... G...	Traditional Face-to-Face
Applied Statistics LEC Lecture	STA St...	270	4	12766	Fall 2023	S M T W T F S 04:00 PM - 05:40 PM Type: Class Building: Business & Technology Complex Room: 106 Start D	Richmond	20 ...	G... G... G... G...	Traditional Face-to-Face
Applied Statistics LEC Lecture	STA St...	270	4	12767	Fall 2023	S M T W T F S 10:10 AM - 11:20 AM Type: Class Building: Wallace Bldg Room: 448 Start Date: 08/14/2023 En	Richmond	20 ...	G... G... G...	Traditional Face-to-Face

Prerequisites: Undergraduate level MAT 112 Minimum Grade of C or Undergraduate level MAT 112B Minimum Grade of C or Undergraduate level MAT 114 Minimum Grade of C or ACT Math 23 or SAT Mathematics 560 or Undergraduate level MAT 108 Minimum Grade of C or Undergraduate level MAT 120 Minimum Grade of C or Undergraduate level MAT 109 Minimum Grade of C or Undergraduate level MAT 122 Minimum Grade of C or Undergraduate level MAT 117 Minimum Grade of C or Undergraduate level MAT 217 Minimum Grade of C or Undergraduate level MAT 328 Minimum Grade of C or Undergraduate level MAT 124 Minimum Grade of C or Undergraduate level MAT 124H Minimum Grade of C or Undergraduate level MAT 234 Minimum Grade of C or Undergraduate level MAT 234H Minimum Grade of C or Undergraduate level MAT 211 Minimum Grade of C or Undergraduate level MAT 261 Minimum Grade of C or Undergraduate level MAT 244 Minimum Grade of C or Undergraduate level MAT 224 Minimum Grade of C or Undergraduate level MAT 244H Minimum Grade of C or Undergraduate level MAT 254 Minimum Grade of C or Undergraduate level MAT 225 Minimum Grade of C or Undergraduate level MAT 225H Minimum Grade of C or Undergraduate level MAT 254H Minimum Grade of C

Computer Science/CIS/INF supporting courses being offered in Fall 2023

CSC classes required for BS (NET): CSC 160 (Intro to Programming) and one higher CSC class (above 160)

Computer related classes for the BS (CST-concentration in NET): 9 hours of CSC/CIS/INF courses (CSC 160 or higher), or (CIS 215 or higher), or (INF 130 or higher)

CSC classes required for AAS (Tec-CE): CSC 160 or higher; or CIS 215 or higher

CSC 160

Title	Subject Des	Course	Hours	CRN	Term	Meeting Times	Campus	Status	Attribu	Instructional Methods
Introduction to Web Programming LEC Lecture	CSC C...	160	3	12047	Fall 2023	E S M **T** W **T** F S 02:00 PM - 03:15 PM **Type:** Class **Building:** Wallace Bldg **Room:** 452	Richmond	18...	G... G...	Traditional Face-to-Face

Prerequisites: Online Math Placement Test 14 or Math Placement Test Score 14 or KyOTE Math Test 14 or Undergraduate level MAT 107 Minimum Grade of C or Undergraduate level MAT 112 Minimum Grade of C or (Undergraduate level MAT 112A Minimum Grade of C and Undergraduate level MAT 112B Minimum Grade of C) or Undergraduate level MAT 114 Minimum Grade of C or Undergraduate level MAT 108 Minimum Grade of C or Undergraduate level MAT 109 Minimum Grade of C or Undergraduate level MAT 120 Minimum Grade of C or Undergraduate level MAT 122 Minimum Grade of C or Undergraduate level MAT 124 Minimum Grade of C or Undergraduate level MAT 124H Minimum Grade of C or Undergraduate level MAT 214 Minimum Grade of C or Undergraduate level MAT 217 Minimum Grade of C or Undergraduate level MAT 224 Minimum Grade of C or Undergraduate level MAT 224H Minimum Grade of C or Undergraduate level MAT 225 Minimum Grade of C or Undergraduate level MAT 225H Minimum Grade of C or Undergraduate level MAT 234 Minimum Grade of C or Undergraduate level MAT 234H Minimum Grade of C or Undergraduate level MAT 239 Minimum Grade of C or Undergraduate level MAT 244 Minimum Grade of C or Undergraduate level MAT 244H Minimum Grade of C or Undergraduate level MAT 261 Minimum Grade of C or ACT Math 22 or SAT Mathematics 530
Note that the online section of CSC 160 is typically only available for dual-credit, remote students.

CSC 170

Title	Subject D	Course I	Hours	CRN	Term	Meeting Times	Campus	Status	Attribu	Instructional Methods
Intro to Game Programming LEC Lecture	CSC...	170	3	12737	Fall 2023	S M **T** W **T** **F** S 01:25 PM - 02:15 PM **Type:** Class **Building:** Wallace Bldg **Room:** 452	Richmond	21 ...		Traditional Face-to-Face

Prerequisites: Undergraduate level MAT 112 Minimum Grade of C or Undergraduate level MAT 112B Minimum Grade of C or Undergraduate level MAT 107 Minimum Grade of C or Undergraduate level MAT 114 Minimum Grade of C or ACT Math 23 or SAT Mathematics 560 or SAT Math Section Score 560
Note that the online section of CSC 170 is typically only available for dual-credit, remote students.

CSC 189

Title	Subject De	Course N	Hours	CRN	Term	Instructor	Meeting Times	Campus	Status	A	Instructional Methods
Computing Concepts and Programming LEC Lecture	CSC ...	189	3	12734	Fall 2023	Lan Kong (Primary)	S M **T** W **T** F S 09:30 AM - 10:45 AM Type: Class Building: Wallace Bldg Room: 429	Richmond	21 of 21 seats r... LINKED		Traditional Face-to-Face
Computing Concepts and Prg Lab LAB Lab:no grade/no cr hrs	CSC ...	189	0	12735	Fall 2023	Lan Kong (Primary)	S M T W T **F** S 12:20 PM - 02:15 PM Type: Class Building: Wallace Bldg Room: 426	Richmond	21 of 21 seats r... LINKED		Traditional Face-to-Face

Prerequisites: Undergraduate level MAT 122 Minimum Grade of C or ACT Math 25 or SAT Mathematics 590

CSC 190

Title	Subject De	Course N	Hours	CRN	Term	Instructor	Meeting Times	Campus	Status		Instructional Methods
Object- Oriented Programming I LEC Lecture	CSC ...	190	3	12455	Fall 2023	Cindy Bragg (Pri...	S M **T** W **T** F S 12:30 PM - 01:45 PM Type: Class Building: Wallace Bldg Room: 445 St	Richmond	24 of 24 seats re... LINKED		Traditional Face-to-Face
Object- Oriented Programming I LEC Lecture	CSC ...	190	3	12454	Fall 2023	Cindy Bragg (Pri...	S M **T** W **T** F S 02:00 PM - 03:15 PM Type: Class Building: Wallace Bldg Room: 445 St	Richmond	24 of 24 seats re... LINKED		Traditional Face-to-Face
Object-Oriented Prog I Lab LAB Lab:no grade/no cr hrs	CSC ...	190	0	10031	Fall 2023	Cindy Bragg (Pri...	S M T W T **F** S 01:25 PM - 03:20 PM Type: Class Building: Wallace Bldg Room: 445 St	Richmond	24 of 24 seats re... LINKED		Traditional Face-to-Face
Object-Oriented Prog I Lab LAB Lab:no grade/no cr hrs	CSC ...	190	0	10447	Fall 2023	Cindy Bragg (Pri...	S M T W T **F** S 09:05 AM - 11:00 AM Type: Class Building: Wallace Bldg Room: 445 St	Richmond	24 of 24 seats re... LINKED		Traditional Face-to-Face

Prerequisites: ACT Math 25 or SAT Mathematics 590 or Undergraduate level MAT 109 Minimum Grade of C or Undergraduate level MAT 122 Minimum Grade of C or Undergraduate level MAT 124 Minimum Grade of C or Undergraduate level MAT 124H Minimum Grade of C or Undergraduate level MAT 214 Minimum Grade of C or Undergraduate level MAT 217 Minimum Grade of C or Undergraduate level MAT 224 Minimum Grade of C or Undergraduate level MAT 224H Minimum Grade of C or Undergraduate level MAT 225 Minimum Grade of C or Undergraduate level MAT 225H Minimum Grade of C or Undergraduate level MAT 234 Minimum Grade of C or Undergraduate level MAT 234H Minimum Grade of C or Undergraduate level MAT 239 Minimum Grade of C or Undergraduate level MAT 244 Minimum Grade of C or Undergraduate level MAT 244H Minimum Grade of C or Undergraduate level MAT 261 Minimum Grade of C

CSC 191

Title	Subject De	Course Nu	Hours	CRN	Term	Instructor	Meeting Times	Campus	Status	Instructional Methods
Object- Oriented Programming II LEC Lecture	CSC ...	191	3	12467	Fall 2023	Cindy Bragg (Prim...	S M T W T F S 09:30 AM - 10:45 AM Type: Class Building: Wallace Bldg Room: 445	Richmond	24 of 24 seats re... 🔗 LINKED	Traditional Face-to-Face
Object-Oriented Program II Lab LAB Lab:no grade/no cr hrs	CSC ...	191	0	11960	Fall 2023	Cindy Bragg (Prim...	S M T W T F S 01:25 PM - 03:20 PM Type: Class Building: Wallace Bldg Room: 445	Richmond	24 of 24 seats re... 🔗 LINKED	Traditional Face-to-Face

Prerequisites: Undergraduate level CSC 190 Minimum Grade of C and Undergraduate level CSC 185 Minimum Grade of C

CSC 195

Title	Subject De	Course Nu	Hours	CRN	Term	Instructor	Meeting Times	Campus	Status	Instructional Methods
Discrete Structures II LEC Lecture	CSC ...	195	3	13488	Fall 2023	Ka-Wing Wong (P...	S M T W T F S 12:30 PM - 01:45 PM Type: Class Building: Wallace Bldg Room: 430	Richmond	21 of 21 seats re... 🔗 LINKED	Traditional Face-to-Face
Discrete Structures II Lab LAB Lab:no grade/no cr hrs	CSC ...	195	0	13489	Fall 2023	Ka-Wing Wong (P...	S M T W T F S 11:00 AM - 12:15 PM Type: Class Building: Wallace Bldg Room: 430	Richmond	21 of 21 seats re... 🔗 LINKED	Traditional Face-to-Face

Prerequisites: Undergraduate level CSC 190 Minimum Grade of C and Undergraduate level CSC 185 Minimum Grade of C

CSC 210

CSC 210 is not being offered in the fall 2023 semester

Prerequisites: Undergraduate level CSC 189 Minimum Grade of C and Undergraduate level CSC 190 Minimum Grade of C

CSC 101 – May be taken as a free elective to develop compting competencies, particularly for students with Mat ACT sub-score 19-21

Title	Subject D	Course Num	Hours	CRN	Term	Instructor	Meeting Times	Campus	Status	Instructional Methods
The World of Code LEC Lecture	CSC ...	101	3	12466	Fall 2023	Ka-Wing Wong...	S M T W T F S 09:30 AM - 10:45 AM Type: Class Building: Wallace Bldg Room: 430	Richmond	21...	Traditional Face-to-Face

Prerequisites: Completion of Developmental Reading, English, and Math requirements at the 095 level

CIS classes, such as 215 and 240 may be taken:

CIS 215

Title	Subject D	Course Nu	Hours	CRN	Term	Instruc	Meeting Times	Campus	Status	A	Instructional Methods
Introduction to Business Programming LEC Lecture	CIS ...	215	3	10039	Fall 2023		S M **T** W **T** F S 11:00 AM - 12:15 PM **Type:** Class **Building:** Business & Technology Complex **Room:** 004 St	Richmond	25 ...		Traditional Face-to-Face

Pre-req. for CIS 215: CIS 212 or CIS 240 or INF 104 with a grade of C"" or better. Introductory computer programming course using an object-oriented programming language to solve business problems. This course will introduce: algorithm concepts and development; object-oriented programming methodologies; language syntax; graphical interface design and event based programming. Contact Dr. Mahaney for a pre-req. override -- bob.mahaney@eku.edu if interested in taking this course.

CIS 240
CIS 240 is not being offered in the fall 2023 semester.

Prerequisites: Undergraduate level CIS 212 Minimum Grade of C- or Undergraduate level CIS 240 Minimum Grade of C- or Undergraduate level INF 104 Minimum Grade of C- or Undergraduate level CSC 104 Minimum Grade of C- or AP Computer Science A 3. If needed, email the professor requesting a prerequisite override, noting that the TEC 161 (Computer Applications in Industry) course, equivalent to CIS 212 or INF 104, has been completed.

CIS 320 (Forensic Computing: Informatics)
CIS 320 is not being offered in the fall 2023 semester.

Prerequisites: Undergraduate level CIS 212 Minimum Grade of C or Undergraduate level CIS 240 Minimum Grade of C or Undergraduate level INF 104 Minimum Grade of C or Undergraduate level TEC 161 Minimum Grade of C

CIS 335

Title	Subject D	Course Nu	Hours	CRN	Term	Instructor	Meeting Times	Campus	Status	Instructional Methods
Data Base Management LEC Lecture	CIS ...	335	3	12718	Fall 2023	Ted Randles...	S M **T** W **T** F S 11:15 AM - 12:30 PM **Type:** Class **Building:** Business & Technology Complex **Room:** 105	Richmond	25 ...	Traditional Face-to-Face

Prerequisites: Undergraduate level CIS 212 Minimum Grade of C or Undergraduate level INF 104 Minimum Grade of C or Undergraduate level TEC 161 Minimum Grade of C or Undergraduate level CSC 174 Minimum Grade of C or Undergraduate level CSC 190 Minimum Grade of C. Contact Dr. Ted Randles for a pre-req. override – ted.randles@eku.edu if interested in taking this course.

CIS 370

CIS 370 is not being offered in the fall 2023 semester.

Prerequisites: No perquisites

CIS 375 (Networks & Telecommunication) is similar in scope to the NET 303 course in the CST program.

Title	Subject D	Course Num	Hours	CRN	Term	Instructor	Meeting Times	Campus	Status	Instructional Methods
Networks and Telecommunication LEC Lecture	CIS ...	375	3	12695	Fall 2023		S M **T** W **T** F S 02:00 PM - 03:15 PM **Type:** Class **Building:** Business & Technology Complex **Room:** 105	Richmond	30 ...	Traditional Face-to-Face

Prerequisites: CIS 212 or CIS 240 or CSC 104 or INF 104 or NET 303

CIS 380

Title	Subject D	Course Num	Hours	CRN	Term	Instructor	Meeting Times	Campus	Status	Instructional Methods
Information Systems Analysis and Design LEC Lecture	CIS ...	380	3	10551	Fall 2023	Ted Randles ...	S M **T** W **T** F S 06:00 PM - 08:45 PM **Type:** Class **Building:** Business & Technology Complex **Room:** 168	Richmond	20 ...	Traditional Face-to-Face

Prerequisites: Undergraduate level CIS 215 Minimum Grade of C or Undergraduate level CSC 300 Minimum Grade of C. Contact Dr. Ted Randles for a pre-req. override – ted.randles@eku.edu if interested in taking this course.

CIS 410 (Project Management & Practice)

CIS 410 is not being offered in the fall 2023 semester.

Prerequisites: Undergraduate level CIS 300 Minimum Grade of C or Undergraduate level CIS 240 Minimum Grade of C or Undergraduate level NET 303 Minimum Grade of C

CIS 430

Title	Subject D	Course Num	Hours	CRN	Term	Instructor	Meeting Times	Campus	Status	Instructional Methods
Business Data Mining LEC Lecture	CIS ...	430	3	11430	Fall 2023		S M **T** W **T** F S 03:30 PM - 04:45 PM **Type:** Class **Building:** Business & Technology Complex **Room:** 133	Richmond	30 ...	Traditional Face-to-Face

Prerequisites: Computer Applications course (TEC 161, CIS 212, or INF 104) and STA 215 or higher

INF classes:

INF 130

Title	Subject D	Course Numb	Hours	CRN	Term	Instructor	Meeting Times	Campus	Status	Instructional Methods
3D Printing LEC Lecture	INF ...	130	3	12736	Fall 2023	Eugene Styer...	S **M** T **W** T **F** S 10:10 AM - 11:00 AM **Type:** Class **Building:** Wallace Bldg **Room:** 449	Richmond	24 ...	Traditional Face-to-Face

No prerequisites

INF 307

Title	Subject	Course Numb	Hours	CRN	Term	Instructor	Meeting Times	Campus	Status	Instructional Methods
Cyberspace Security and Ethics L/LB Lecture w/Lab included	INF ...	307	3	13991	Fall 2023	Tom Kay ...	S **M** T **W** T **F** S 01:25 PM - 02:15 PM **Type:** Class **Building:** Wallace Bldg **Room:** 430	Richmond	21...	Traditional Face-to-Face

Prerequisites: Undergraduate level ENG 102 Minimum Grade of C or Undergraduate level ENG 105 Minimum Grade of B or Undergraduate level HON 102 Minimum Grade of C

INF 314

Title	Subject D	Course Numb	Hours	CRN	Term	Instructor	Meeting Times	Campus	Status	Instructional Methods
MS Office & Data Analysis LEC Lecture	INF I...	314	3	11075	Fall 2023	Jill Carnahan-Jarvis ...	S M T W T F S - **Type:** Class **Building:** Internet Classes	Richmond	30 ...	100% Online: Asynchronous

Prerequisites: Undergraduate level CSC 104Minimum Grade of C or Undergraduate level INF 104 Minimum Grade of C or Undergraduate level CIS 212 Minimum Grade of C. For students who have taken TEC 161 and it included coverage of ACCESS Databases, please email the instructor Prof. Jill (Jill.Carnahan-Jarvis@eku.edu) requesting a pre-requisite override. This course includes advanced applications of EXCEL and ACCESS, so, a working understand of and prior work with these two software applications is essential for success in the online INF 314 course. You may email Prof. Cindy Bragg (cindy.bragg@eku.edu) coordinator of the Informatics program regarding a prerequisite override – in your email note whether you have completed Excel spreadsheets and Access databases as part of TEC 161. Please note that Web-only classes are billed at a higher rate, and are regarded as separate 3-credit hours classes from the regular 3-credit hour on-campus classes.

INF 318

Title	Subject	Course Numb	Hours	CRN	Term	Instructor	Meeting Times	Campus	Status	Instructional Methods
Mobile Device Security & Privacy LEC Lecture	IN...	318	3	11145	Fall 2023	Shuangteng Zhang...	S **M** T W T F S 10:10 AM - 11:00 AM **Type:** Class **Building:** Internet Classes **Room:** None S **M** T W T F S 10:10 AM - 11:00 AM **Type:** Class **Building:** Wallace Bldg **Room:** 452 **Start** S **M** T W T F S 10:10 AM - 11:00 AM **Type:** Class **Building:** Wallace Bldg **Room:** 452 **Start** S **M** T W T F S 10:10 AM - 11:00 AM **Type:** Class **Building:** Wallace Bldg **Room:** 452 **Start** S **M** T W T F S 10:10 AM - 11:00 AM **Type:** Class **Building:** Wallace Bldg **Room:** 452 **Start** S **M** T W T F S 10:10 AM - 11:00 AM **Type:** Class **Building:** Wallace Bldg **Room:** 452 **Start** S **M** T W T F S 10:10 AM - 11:00 AM **Type:** Class **Building:** Wallace Bldg **Room:** 452 **Start** S **M** T W T F S 10:10 AM - 11:00 AM **Type:** Class **Building:** Wallace Bldg **Room:** 452 **Start** S **M** T W T F S 10:10 AM - 11:00 AM **Type:** Class **Building:** Wallace Bldg **Room:** 452 **Start** S **M** T W T F S 10:10 AM - 11:00 AM **Type:** Class **Building:** Wallace Bldg **Room:** 452 **Start**	Richmond	24 ...	Web-blended: Synchronous

Prerequisites: Undergraduate level ENG 102 Minimum Grade of C or Undergraduate level ENG 105 Minimum Grade of B or Undergraduate level ENG 102R Minimum Grade of C or Undergraduate level HON 102 Minimum Grade of C

INF 321

Title		Subject	Course Numb	Hours	CRN		Term		Instructor	Meeting Times	Campus	Status	Instructional Methods
Computer Forensics LEC Lecture		INF ...	321	3	11080		Fall 2023		Jonathan Lon...	S M T W T F S 06:00 PM - 08:45 PM **Type:** Class **Building:** Wallace Bldg **Room:** 445	Richmond	20 ...	Traditional Face-to-Face

Prerequisites: Undergraduate level ENG 102 Minimum Grade of C or Undergraduate level ENG 105 Minimum Grade of B or Undergraduate level ENG 102R Minimum Grade of C or Undergraduate level HON 102 Minimum Grade of C

INF 322

Title		Subject	Course Numb	Hours	CRN		Term		Instructor	Meeting Times	Campus	Status	Instructional Methods
Computer Forensics II LEC Lecture		INF ...	322	3	12497		Fall 2023		Jeffrey Rogers Kimberly Bradley ...	S M T W T F S 06:00 PM - 08:45 PM **Type:** Class **Building:** Wallace Bldg **Room:** 429	Richmond	20 ...	Traditional Face-to-Face

Prerequisites: Undergraduate level CSC 321 Minimum Grade of C or Undergraduate level INF 321 Minimum Grade of C

BS (CST/NET) students completing the Informatics Minor typically need to complete INF 123 or 307; INF 314, in addition to a computer applications course, CSC 160, CIS 320/325, STA 215/270)

Physics supporting courses being offered in Fall 2023

Physics classes requirement for BS (CST/NET) and AAS (Tech-CE): PHY 101 or higher in GenEd Element 4, such as PHY 131 (5) or PHY 201 (5). Students typically take PHY 101.

PHY 101

Title	Subject/De	Course Numb	Hours	CRN	Term	Instructor	Meeting Times	Campus	Status	Instructional Methods
Conceptual Physics LEC Lecture	PHY ...	101	3	10061	Fall 2023	Alan Ewing Thomas Jarvis (Pri...	S M T W T F S - Type: Class Building: Internet Classes Room: None	Richmond	60 ...	100% Online: Asynchronous
Conceptual Physics LEC Lecture	PHY ...	101	3	11376	Fall 2023	Stephanie Harmon...	S M T W T F S - Type: Class Building: Internet Classes Room: None	Richmond	30 ...	100% Online: Asynchronous

Prerequisites:
(Undergraduate level **MAT 090** Minimum Grade of D* or Undergraduate level **MAT 090C** Minimum Grade of D* or ACT Math 17 or Developmental Math 090 NR or Math Placement Test Score 17 or Online Math Placement Test 15 or TFR Math Initial Requirement PROF or SAT Verbal/CriticalRead + Math 0870 or AP Physics B 3) and (Undergraduate level **MAT 105** Minimum Grade of D or Undergraduate level **MAT 106** Minimum Grade of D or Undergraduate level **MAT 107** Minimum Grade of D or Undergraduate level **MAT 108** Minimum Grade of D or Undergraduate level **MAT 109** Minimum Grade of D or Undergraduate level **MAT 110** Minimum Grade of D or Undergraduate level **MAT 112** Minimum Grade of D or Undergraduate level **MAT 112B** Minimum Grade of D or Undergraduate level **MAT 114** Minimum Grade of D or Undergraduate level **MAT 120** Minimum Grade of D or Undergraduate level **MAT 122** Minimum Grade of D or Undergraduate level **MAT 124** Minimum Grade of D or Undergraduate level **MAT 124H** Minimum Grade of D or Undergraduate level **MAT 211** Minimum Grade of D or Undergraduate level **MAT 214** Minimum Grade of D or Undergraduate level **MAT 224** Minimum Grade of D or Undergraduate level **MAT 224H** Minimum Grade of D or Undergraduate level **MAT 225** Minimum Grade of D or Undergraduate level **MAT 225H** Minimum Grade of D or Undergraduate level **MAT 234** Minimum Grade of D or Undergraduate level **MAT 234H** Minimum Grade of D or Undergraduate level **MAT 239** Minimum Grade of D or Undergraduate level **MAT 244** Minimum Grade of D or Undergraduate level **MAT 244H** Minimum Grade of D or Undergraduate level **MAT 254** Minimum Grade of D or Undergraduate level **MAT 254H** Minimum Grade of D or Undergraduate level **MAT 261** Minimum Grade of D)

PHY 131

Title	Subject De	Course Numb	Hours	CRN	Term	Instructor	Meeting Times	Campus	Status	Instructional Methods
College Physics I L/LB Lecture w/Lab ...	PHY ...	131	5	10789	Fall 2023	James Ross (Prim... Alan Ewing	S M T W T F S 08:00 AM - 09:55 AM **Type:** Class **Building:** New Science Building **Room:** 3122 ...	Richmond	40 ...	Traditional Face-to-Face
College Physics I L/LB Lecture w/Lab ...	PHY ...	131	5	10790	Fall 2023	Jing Wang (Primary) Thomas Jarvis	S M T W T F S 10:10 AM - 12:05 PM **Type:** Class **Building:** New Science Building **Room:** 3122 ...	Richmond	40 ...	Traditional Face-to-Face
College Physics I L/LB Lecture w/Lab ...	PHY ...	131	5	10791	Fall 2023	Alan Ewing (Prima... Garett Yoder	S M T W T F S 10:10 AM - 12:05 PM **Type:** Class **Building:** New Science Building **Room:** 3121 ...	Richmond	40 ...	Traditional Face-to-Face
College Physics I L/LB Lecture w/Lab ...	PHY ...	131	5	10792	Fall 2023	Thomas Jarvis (Pr... Anthony Blose	S M T W T F S 02:30 PM - 04:25 PM **Type:** Class **Building:** New Science Building **Room:** 3122	Richmond	40 ...	Traditional Face-to-Face

Prerequisites:
Undergraduate level **MAT 120** Minimum Grade of D or Undergraduate level **MAT 114** Minimum Grade of D or Undergraduate level **MAT 122** Minimum Grade of D or Undergraduate level **MAT 115** Minimum Grade of D or Undergraduate level **MAT 116** Minimum Grade of D or Undergraduate level **MAT 117** Minimum Grade of D or Undergraduate level **MAT 217** Minimum Grade of D or Undergraduate level **MAT 124** Minimum Grade of D or Undergraduate level **MAT 234** Minimum Grade of D or Undergraduate level **MAT 124H** Minimum Grade of D or Undergraduate level **MAT 234H** Minimum Grade of D or Undergraduate level **MAT 261** Minimum Grade of D or Undergraduate level **MAT 211** Minimum Grade of D or Undergraduate level **MAT 122** Minimum Grade of D or Undergraduate level **MAT 201** Minimum Grade of D or Undergraduate level **MAT 202** Minimum Grade of D or Undergraduate level **MAT 203** Minimum Grade of D or Undergraduate level **MAT 214** Minimum Grade of D or Undergraduate level **MAT 217** Minimum Grade of D or Undergraduate level **MAT 218** Minimum Grade of D or Undergraduate level **MAT 219** Minimum Grade of D or Undergraduate level **MAT 224** Minimum Grade of D or Undergraduate level **MAT 224H** Minimum Grade of D or Undergraduate level **MAT 225** Minimum Grade of D or Undergraduate level **MAT 225H** Minimum Grade of D or Undergraduate level **MAT 239** Minimum Grade of D or Undergraduate level **MAT 244** Minimum Grade of D or Undergraduate level **MAT 244H** Minimum Grade of D or Undergraduate level **MAT 254** Minimum Grade of D or Undergraduate level **MAT 301** Minimum Grade of D or Undergraduate level **MAT 303** Minimum Grade of D

PHY 201

Title	Subject De	Course Numb	Hours	CRN	Term	Instructor	Meeting Times	Campus	Status	Instructional Methods
University Physics I L/LB Lecture w/Lab included	PHY ...	201	5	10577	Fall 2023	Jason Fry (Primary)	S M T W T F S 10:10 AM - 12:05 PM Type: Class Building: New Science Building Room: 3126	Richmond	25 ...	Traditional Face-to-Face

Prerequisites:
Undergraduate level **MAT 234** Minimum Grade of D or Undergraduate level **MAT 124** Minimum Grade of D or Undergraduate level **MAT 124H** Minimum Grade of D or Undergraduate level **MAT 234H** Minimum Grade of D or Undergraduate level **MAT 211** Minimum Grade of D or Undergraduate level **MAT 261** Minimum Grade of D or AP Calculus AB 3 or AP Calculus BC 3

PHY201 course fee $25

The BS (CST) major requires PHY 101 or higher in GenEd Element 4 and another lab-based science class in Gen Ed Element 4.

Economics supporting courses being offered in Fall 2023

Economics classes requirement for BS (NET) and AAS (Tech-CE): ECO 230. The ECO 231 may be substituted in place of ECO 230. ECO 120 may be taken in the AAS degree, and with advisor approval substituted in the BS (CST) degree.

Title	Subject D	Course Numb	Hours	CRN	Term	Instructor	Meeting Times	Campus	Status	Instructional Methods
Economic Reasoning and Issues LEC Lecture	ECO ...	120	3	12733	Fall 2023	Cynthia Harter ...	S M T W T F S - Type: Class Building: Internet Classes Room: None Start Date: 08/14/2023 End I	Richmond	35 ...	100% Online: Asynchronous
Economic Reasoning and Issues LEC Lecture	ECO ...	120	3	14103	Fall 2023	Jeongwoo Kim ...	S M T W T F S 11:00 AM - 12:15 PM Type: Class Building: Commonwealth (non-dorm) Room: 1801	Richmond	25 ...	Traditional Face-to-Face

Prerequisites:
Undergraduate level **MAT 095** Minimum Grade of D* or Undergraduate level **MAT 095C** Minimum Grade of D* or ACT Math 19 or Developmental Math 095 NR or Math Placement Test Score 26 or Online Math Placement Test 22 or TFR Math Initial Requirement PROF or SAT Verbal/CriticalRead + Math 0460

ECO 230

Title	Subject/De	Course	Hours	CRN	Term	Instructor	Meeting Times	Campus	Status	Instructional Methods
Fundamentals of Microeconomics LEC Lecture	ECO ...	230	3	10156	Fall 2023	John Harter (...	S M T W T F S 08:00 AM - 09:15 AM Type: Class Building: Business & Technology Complex Room: 001 Start Date: 08/14/2023 End Date: 12/02/2023	Richmond	42 ...	Traditional Face-to-Face
Fundamentals of Microeconomics LEC Lecture	ECO ...	230	3	12620	Fall 2023	Bob Houston (...	S M T W T F S 01:25 PM - 02:40 PM Type: Class Building: Business & Technology Complex Room: 001 Start Date: 08/14/2023 End Date: 12/02/2023	Richmond	35 ...	Traditional Face-to-Face
Fundamentals of Microeconomics LEC Lecture	ECO ...	230	3	12724	Fall 2023	John Harter (...	S M T W T F S 09:30 AM - 10:45 AM Type: Class Building: Business & Technology Complex Room: 001 Start Date: 08/14/2023 End Date: 12/02/2023	Richmond	42 ...	Traditional Face-to-Face
Fundamentals of Microeconomics LEC Lecture	ECO ...	230	3	14104	Fall 2023	Bob Houston (...	S M T W T F S 09:05 AM - 10:20 AM Type: Class Building: Business & Technology Complex Room: 001 Start Date: 08/14/2023 End Date: 12/02/2023	Richmond	35 ...	Traditional Face-to-Face
Fundamentals of Microeconomics LEC Lecture	ECO ...	230	3	14105	Fall 2023	John Harter (...	S M T W T F S - Type: Class Building: Internet Classes Room: None Start Date: 08/14/2023 End Date: 10/06/2023	Richmond	50 ...	100% Online: Asynchronous
Fundamentals of Microeconomics LEC Lecture	ECO ...	230	3	14106	Fall 2023	Fatima Hasan...	S M T W T F S 11:15 AM - 12:30 PM Type: Class Building: Business & Technology Complex Room: 106 Start Date: 08/14/2023 End Date: 12/02/2023	Richmond	35 ...	Traditional Face-to-Face

Prerequisites:
(Undergraduate level **MAT 095** Minimum Grade of D or Undergraduate level **MAT 095C** Minimum Grade of D or ACT Math 19 or Developmental Math 095 NR or Math Placement Test Score 26 or Online Math Placement Test 22 or TFR Math Initial Requirement PROF) and (Undergraduate level **ENG 095** Minimum Grade of D* or Undergraduate level **ENG 095R** Minimum Grade of D* or Undergraduate level **ENG 100** Minimum Grade of D or Undergraduate level **ENG 101R** Minimum Grade of D or ACT English 18 or Developmental English 095 NR or TFR English Initial Requiremnt PROF) and (Undergraduate level **ENR 095** Minimum Grade of D or Undergraduate level **GSL 095** Minimum Grade of D or ACT Reading 18 or Developmental Reading 095 NR or TFR GSL Reading Initial Reqmnt PROF or SAT Verbal/CriticalRead + Math 0870 or AP Economics: Micro 3)

ECO 231

Title	Subject Description	Course Number	Hours	CRN	Term	Instructor	Meeting Times	Campus	Status	Instructional Methods
Fundamentals of Macroeconomics LEC Lecture	ECO Economics	231	3	12725	Fall 2023	Bob Houston (...	S M **T** W **T** F S 11:15 AM - 12:30 PM Type: Class Building: Business & Technology Complex Room: 001 Start Date: 08/14/2023 End Date: 12/02/2023	Richmond	35 ...	Traditional Face-to-Face
Fundamentals of Macroeconomics LEC Lecture	ECO Economics	231	3	14107	Fall 2023	Fatima Hasan (...	S M **T** W **T** F S 11:00 AM - 12:15 PM Type: Class Building: Business & Technology Complex Room: 106 Start Date: 08/14/2023 End Date: 12/02/2023	Richmond	35 ...	Traditional Face-to-Face
Fundamentals of Macroeconomics LEC Lecture	ECO Economics	231	3	14108	Fall 2023	Cynthia Harter ...	S M T **W** T F S 06:00 PM - 08:30 PM Type: Class Building: Business & Technology Complex Room: 001 Start Date: 08/16/2023 End Date: 08/16/2023 S M T **W** T F S 06:00 PM - 08:30 PM Type: Class Building: Business & Technology Complex Room: 001 Start Date: 09/06/2023 End Date: 09/06/2023 S M T **W** T F S 06:00 PM - 08:30 PM Type: Class Building: Business & Technology Complex Room: 001 Start Date: 09/27/2023 End Date: 09/27/2023 S M T **W** T F S 06:00 PM - 08:30 PM Type: Class Building: Business & Technology Complex Room: 001 Start Date: 10/18/2023 End Date: 10/18/2023 S M T **W** T F S 06:00 PM - 08:30 PM Type: Class Building: Business & Technology Complex Room: 001 Start Date: 11/08/2023 End Date: 11/08/2023 S M T W T F S - Type: Class Building: Internet Classes Room: None Start Date: 08/14/2023 End Date: 12/02/2023	Richmond	40 ...	Web-blended: Asynchronous

Prerequisites:
(Undergraduate level **MAT 095** Minimum Grade of D* or Undergraduate level **MAT 095C** Minimum Grade of D* or ACT Math 19 or Developmental Math 095 NR or Math Placement Test Score 26 or Online Math Placement Test 22 or TFR Math Initial Requirement PROF) and (Undergraduate level **ENG 095** Minimum Grade of D* or Undergraduate level **ENG 095R** Minimum Grade of D* or Undergraduate level **ENG 100** Minimum Grade of D or Undergraduate level **ENG 101R** Minimum Grade of D or ACT English 18 or Developmental English 095 NR or TFR English Initial Requiremnt PROF) and (Undergraduate level **ENR 095** Minimum Grade of D* or Undergraduate level **GSL 095** Minimum Grade of D* or Undergraduate level **ENG 101R** Minimum Grade of D or ACT Reading 18 or Developmental Reading 095 NR or TFR GSL Reading Initial Reqmnt PROF or SAT Verbal/CriticalRead + Math 0870 or AP Economics: Macro 3)

Upper-division Management related courses with few or no pre-requisites other than Junior standing which may be used in BS (CST) degree being offered in Fall 2023

At least 300 level or above one management related class is required from the following majors: 3 Hours in ACC 300:599 , AEM 300:599 , CCT 300:599 , CIS 300:599 , FIN 300:599 , GBU 300:599 , INS 300:599 , MGT 300:599 , MKT 300:599 , QMB 300:599

BS (NET) students typically consider taking CIS 320 or 325 related to Computer Forensics, or CIS 375 (however, these have not been offered for a couple of semesters); or MKT 301 (Intro to Marketing), MGT 301 (Intro to Management). Other good alternatives are: CIS 335 or CIS 410.

CIS 335

Title	Subject D	Course Nu	Hours	CRN	Term	Instructor	Meeting Times	Campus	Status	Instructional Methods
Data Base Management LEC Lecture	CIS ...	335	3	12718	Fall 2023	Ted Randles...	S M T W T F S 11:15 AM - 12:30 PM Type: Class Building: Business & Technology Complex Room: 105	Richmond	25 ...	Traditional Face-to-Face

Prerequisites: Undergraduate level CIS 212 Minimum Grade of C or Undergraduate level INF 104 Minimum Grade of C or Undergraduate level TEC 161 Minimum Grade of C or Undergraduate level CSC 174 Minimum Grade of C or Undergraduate level CSC 190 Minimum Grade of C. Contact Dr. Ted Randles for a pre-req. override – ted.randles@eku.edu if interested in taking this course.

CIS 370

CIS 375 is not being offered in the fall 2023 semester.
Prerequisites: No perquisites

CIS 375 (Networks & Telecommunication) is similar in scope to the NET 303 course in the CST program.

Title	Subject D	Course Nu	Hours	CRN	Term	Instructor	Meeting Times	Campus	Status	Instructional Methods
Networks and Telecommunication LEC Lecture	CIS ...	375	3	12695	Fall 2023		S M T W T F S 02:00 PM - 03:15 PM Type: Class Building: Business & Technology Complex Room: 105	Richmond	30 ...	Traditional Face-to-Face

Prerequisites: CIS 212 or CIS 240 or CSC 104 or INF 104 or NET 303

CIS 380

Title	Subject D	Course Nu	Hours	CRN	Term	Instructor	Meeting Times	Campus	Status	Instructional Methods
Information Systems Analysis and Design LEC Lecture	CIS ...	380	3	10551	Fall 2023	Ted Randles ...	S M T W T F S 06:00 PM - 08:45 PM Type: Class Building: Business & Technology Complex Room: 168	Richmond	20 ...	Traditional Face-to-Face

Prerequisites: Undergraduate level CIS 215 Minimum Grade of C or Undergraduate level CSC 300 Minimum Grade of C.

Systems development life cycle with the emphasis analysis and design. Topics include requirements determination, logical design, physical design, and implementation planning; feasibility analysis; RAD, prototyping, and object-oriented modeling techniques; software package evaluation, acquisition, and integration;

Contact Dr. Ted Randles for a pre-req. override – ted.randles@eku.edu if interested in taking this course.

CIS 410 (Project Management & Practice)
CIS 410 is not being offered in the fall 2023 semester.

Prerequisites: Undergraduate level CIS 300 Minimum Grade of C or Undergraduate level CIS 240 Minimum Grade of C or Undergraduate level NET 303 Minimum Grade of C

CIS 430

Title	Subject D	Course Num	Hours	CRN	Term	Instructor	Meeting Times	Campus	Status	Instructional Methods
Business Data Mining LEC Lecture	CIS ...	430	3	11430	Fall 2023		S M **T** W **T** F S 03:30 PM - 04:45 PM Type: Class Building: Business & Technology Complex Room: 133	Richmond	30 ...	Traditional Face-to-Face

Prerequisites: Computer Applications course (TEC 161, CIS 212, or INF 104) and STA 215 or higher

Other Upper-division Management related electives often selected by BS(CST/NET) students (several other options are available from ACC 300:599 , AEM 300:599 , CCT 300:599 , CIS 300:599 , FIN 300:599 , GBU 300:599 , INS 300:599 , MGT 300:599 , MKT 300:599 , QMB 300:599 but many of these may have pre-requisites, so check those prior to trying to register)

MKT 301

Title	Subject D	Course N	Hours	CRN	Term	Instruc	Meeting Times	Campus	Status	Instructional Methods
Principles of Marketing (NB) LEC Lecture	MKT ...	301	3	11448	Fall 2023		S M T **W** T F S 06:00 PM - 08:45 PM Type: Class Building: Business & Technology Complex Room: 049 ...	Richmond	120 ...	Traditional Face-to-Face

(Pre-req. for MKT 301: junior standing (at least 60 hours). Not for students majoring or minoring in business. Overview of strategic processes involved in marketing goods and services to global markets; study of behavioral, organizational, and consumer variables in decision processes; use of the marketing mix and marketing information to affect buyer decisions. Credit will not be awarded to students who have completed MKT 300.)

MGT 301

Title	Subject D	Course N	Hours	CRN	Term	Instructor	Meeting Times	Campus	Status	Instructional Methods
Principles of Management (NB) LEC Lecture	MGT...	301	3	11913	Fall 2023	Raymond Lauk...	S M **T** W **T** F S 09:30 AM - 10:45 AM Type: Class Building: Business & Technology Complex Room: 049	Richmond	100 ...	Traditional Face-to-Face

(Pre-req. for MGT 301: junior standing (at least 60 hours) with an overall GPA 2.0. Not for students majoring or minoring in business. Management principles with emphasis on organization theory and behavior, human resources and diversity, communications, production/operations management and quality issues, business ethics, development of management thought, management in the global arena, and management careers. Credit will not be awarded to students who have completed MGT 300.)

RMI370

Title	Subject D	Course N	Hours	CRN	Term	Instructor	Meeting Times	Campus	Status	Instructional Methods
Principles of Risk and Insurance LEC Lecture	RMI ...	370	3	11209	Fall 2023	Juan Zhang ...	S M **T** W **T** F S 09:05 AM - 10:20 AM Type: Class Building: Business & Technology Complex Room: 105 S	Richmond	40 ...	Traditional Face-to-Face

(Pre-req. for RMI 370: Junior or Senior standing. Formerly INS 370. Theory and practice of insurance and its economic and social significance; basic life, health, and property liability insurance for organizations and families; review of the major lines of insurance. Credit will not be awarded to students who have credit for INS 370.)

RMI 378

Title	Subject D	Course N	Hours	CRN	Term	Instructor	Meeting Times	Campus	Status	Instructional Methods
Risk Management LEC Lecture	RMI ...	378	3	11714	Fall 2023	Juan Zhang...	S **M** T **W** T F S 11:15 AM - 12:30 PM Type: Class Building: Business & Technology Complex Room: 168	Richmond	35 ...	Traditional Face-to-Face

(Pre-req. for RMI 378: Junior or Senior standing. Formerly INS 378. Risk Management as used by organizations; basic functions of risk management with emphasis placed on risk management decision making. Credit will not be awarded to students who have credit for INS 378.)

SCO 100 should be taken in the 1ˢᵗ semester (within Freshman year)

(When the CST program was part of the College of Biz & Tech, students took BTS 300 during the Junior year and BTS 400 in Senior year >> with the transition of our program to the College of STEM, the requirement is being waived)

Title	Subject D	Course N	Hours	CRN	Term	Instructor	Meeting Times	Campus	Status	Instructional Methods
CSIT Student Success Sem SEM Seminar	SCO ...	100	1	13119	Fall 2023	Shuangteng Zhang ...	S **M** T W T F S 04:40 PM - 05:30 PM Type: Class Building: Wallace Bldg Room: 149 Start Date	Richmond	50 ...	Traditional Face-to-Face
CSIT Student Success Sem SEM Seminar	SCO ...	100	1	13120	Fall 2023	Kuang-Nan Chang ...	S **M** T W T F S 04:40 PM - 05:30 PM Type: Class Building: New Science Building Room: 3101 :	Richmond	50 ...	Traditional Face-to-Face
CSIT Student Success Sem SEM Seminar	SCO ...	100	1	13992	Fall 2023		S **M** T W T F S 04:40 PM - 05:30 PM Type: Class Building: New Science Building Room: 5132 :	Richmond	30 ...	Traditional Face-to-Face

Prerequisites: Freshman

Incoming students should take SCO 100 instead of BTO 100 in the fall 2022 semester and onwards.

Note regarding BTS 300 and BTS 400:
The requirements for registering in these two 0-credit hours business seminar classes, BTS 300 (Professional Skills Seminar) and BTS 400 (College-to-Careers Seminar) has been updated. This requirement will waived for Juniors and Seniors in the fall 2023 semester.

Free electives in BS (CST/NET) degree (9-10 hours)

As **free electives** (for bringing total number of credit hours needed for bachelor's degree up to 120) students may consider either:

- Informatics area leading to a Minor in Informatics (Refer to page 198 of the EKU 2020-21 undergraduate catalog -- https://catalogs.eku.edu/) https://catalogs.eku.edu/course-descriptions/inf/ (2022-23), with the addition of INF 321 (Computer Forensics) being added to the list of electives in fall 2023 (in process, following university approval)

MINOR IN INFORMATICS

Minor in Informatics..18-19 hours

A student may minor in Informatics by completing INF 104 or CIS 212; INF 314; INF 123 or 307; one of STA 215, 270(4)*, or QMB 200*; and six additional semester hours from INF 105, 120, 130, 301, 318, 330, 495, CSC 140, 160, 170, 174, 177, 178, 190*, CIS 215, 320, 325, HSA 370, STA 340, or INF 123 or 307 (if not used above).

*Includes MAT 112 A/B, 114 or 122 as a prerequisite

CERTIFICATE

CERTIFICATE IN INFORMATICS

Requirements... 12 hours

A student may qualify for a Certificate in Informatics by completing INF 104 or CIS 212; INF 307; INF 314; and three additional semester hours from INF 105, 120, 123, 130, 301, 318 or 330, or CSC 140, 160, 170, or CIS 420, or INF 510*

*Bachelor in General Studies students who are also seeking the professional Certificate in Informatics must take CIS 420 or INF 510.

INF 307

Title	Subject	Course Number	Hours	CRN	Term	Instructor	Meeting Times	Campus	Status	Instructional Methods
Cyberspace Security and Ethics L/LB Lecture w/Lab included	INF ...	307	3	13991	Fall 2023	Tom Kay ...	S **M** T **W** T **F** S 01:25 PM - 02:15 PM Type: Class Building: Wallace Bldg Room: 430	Richmond	21...	Traditional Face-to-Face

Prerequisites: Undergraduate level ENG 102 Minimum Grade of C or Undergraduate level ENG 105 Minimum Grade of B or Undergraduate level HON 102 Minimum Grade of C

INF 314

Title	Subject D	Course Number	Hours	CRN	Term	Instructor	Meeting Times	Campus	Status	Instructional Methods
MS Office & Data Analysis LEC Lecture	INF I...	314	3	11075	Fall 2023	Jill Carnahan-Jarvis ...	S M T W T F S - Type: Class Building: Internet Classes	Richmond	30 ...	100% Online: Asynchronous

Prerequisites: Undergraduate level CSC 104Minimum Grade of C or Undergraduate level INF 104 Minimum Grade of C or Undergraduate level CIS 212 Minimum Grade of C. For students who have taken TEC 161 and it included coverage of ACCESS Databases, please email the instructor Prof. Jill (Jill.Carnahan-Jarvis@eku.edu) requesting a pre-requisite override. This course includes advanced applications of EXCEL and ACCESS, so, a working understand of and prior work with these two software applications is essential for success in the online INF 314 course. You may email Prof. Cindy Bragg (cindy.bragg@eku.edu) coordinator of the Informatics program regarding a prerequisite override – in your email note whether you have completed Excel spreadsheets and Access databases as part of TEC 161. Please note that Web-only classes are billed at a higher rate, and are regarded as separate 3-credit hours classes from the regular 3-credit hour on-campus classes.

Possible free electives:

- NET 349 (Applied learning/co-operative education in NET), can be taken multiple times, up to 16 credit hours at university, each credit hour of NET 349 corresponds to a minimum of 80 contact hours under the supervision of the co-op coordinator in conjunction with work supervisor.

  (NET 349 Pre-req.: departmental approval, Sophomore (30-59 hours) or higher standing and minimum of 2.0 GPA. Work under faculty and field supervisors)

- NET 395 (Special Topics in NET), which may be taken up to 3 times provided the topic is different – in the fall it will be covering *Comp Net Management Tools*

Title	Subject D	Course N	Hours	CRN	Term	Instructor	Meeting Times	Campus	Status	Instructional Methods
Comp Net Management Tools SPE Special	NET ...	395	3	12296	Fall 2023	Jeffery Kilgore ...	S **M** T **W** T F S 10:10 AM - 12:05 PM Type: Class Building: Whalin Complex Room: 404	Richmond	16 ...	Traditional Face-to-Face

- **INF 130**

Title	Subject D	Course Numb	Hours	CRN	Term	Instructor	Meeting Times	Campus	Status	Instructional Methods
3D Printing LEC Lecture	INF ...	130	3	12736	Fall 2023	Eugene Styer...	S **M** T **W** T **F** S 10:10 AM - 11:00 AM **Type:** Class **Building:** Wallace Bldg **Room:** 449	Richmond	24 ...	Traditional Face-to-Face

No prerequisites

INF 130 is an approved computing related course in the BS (CST) degree: Exploration of the technologies used in the 3D printing process. Development of skills needed to generate content for 3D printing. Software-driven solutions to 3D printing issues. Emerging technology, Social/Economic consequences. Credit will not be awarded to students who have credit for Special Topics course: 3D printing.

- **INF 318**

Title	Subject	Course Numb	Hours	CRN	Term	Instructor	Meeting Times	Campus	Status	Instructional Methods
Mobile Device Security & Privacy LEC Lecture	IN...	318	3	11145	Fall 2023	Shuangteng Zhang...	S M T W T F S 10:10 AM - 11:00 AM **Type:** Class **Building:** Internet Classes **Room:** None S M T W T F S 10:10 AM - 11:00 AM **Type:** Class **Building:** Wallace Bldg **Room:** 452 **Start** S M T W T F S 10:10 AM - 11:00 AM **Type:** Class **Building:** Wallace Bldg **Room:** 452 **Start** S M T W T F S 10:10 AM - 11:00 AM **Type:** Class **Building:** Wallace Bldg **Room:** 452 **Start** S **M** T W T F S 10:10 AM - 11:00 AM **Type:** Class **Building:** Wallace Bldg **Room:** 452 **Start** S M T W T F S 10:10 AM - 11:00 AM **Type:** Class **Building:** Wallace Bldg **Room:** 452 **Start** S **M** T W T F S 10:10 AM - 11:00 AM **Type:** Class **Building:** Wallace Bldg **Room:** 452 **Start** S M T W T F S 10:10 AM - 11:00 AM **Type:** Class **Building:** Wallace Bldg **Room:** 452 **Start** S **M** T W T F S 10:10 AM - 11:00 AM **Type:** Class **Building:** Wallace Bldg **Room:** 452 **Start**	Richmond	24 ...	Web-blended: Synchronous

Prerequisites: Undergraduate level ENG 102 Minimum Grade of C or Undergraduate level ENG 105 Minimum Grade of B or Undergraduate level ENG 102R Minimum Grade of C or Undergraduate level HON 102 Minimum Grade of C

- **INF 321**

Title	Subject	Course Numb	Hours	CRN	Term	Instructor	Meeting Times	Campus	Status	Instructional Methods
Computer Forensics LEC Lecture	INF ...	321	3	11080	Fall 2023	Jonathan Lon...	S M T **W** T F S 06:00 PM - 08:45 PM **Type:** Class **Building:** Wallace Bldg **Room:** 445	Richmond	20 ...	Traditional Face-to-Face

Prerequisites: Undergraduate level ENG 102 Minimum Grade of C or Undergraduate level ENG 105 Minimum Grade of B or Undergraduate level ENG 102R Minimum Grade of C or Undergraduate level HON 102 Minimum Grade of C

- **INF 322**

Title	Subject	Course Numb	Hours	CRN	Term	Instructor	Meeting Times	Campus	Status	Instructional Methods
Computer Forensics II LEC Lecture	INF ...	322	3	12497	Fall 2023	Jeffrey Rogers Kimberly Bradley ...	S M T W **T** F S 06:00 PM - 08:45 PM **Type:** Class **Building:** Wallace Bldg **Room:** 429	Richmond	20 ...	Traditional Face-to-Face

Prerequisites: Undergraduate level CSC 321 Minimum Grade of C or Undergraduate level INF 321 Minimum Grade of C

- **HLS 401**

HLS 401 is not being offered in the fall 2023 semester

Prerequisites: none

- **HLS 402**

Title	Subject D	Course	Hours	CRN	Term	Instructor	Meeting Times	Campus	Status	A	Instructional Methods
Counterintelligence LEC Lecture	HLS ...	402	3	10763	Fall 2023	Christopher Eddy...	S M T W T F S - **Type:** Class **Building:** Internet Classes **Room:** None **Start Date:** 08/14/2023 **End Date:** 10/06/2023	On-line Student	200...		100% Online: Asynchronous

- **HLS 403**

Title	Subject D	Course	Hours	CRN	Term	Instructor	Meeting Times	Campus	Status	Instructional Methods
Intelligence Analysis LEC Lecture	HLS ...	403	3	11202	Fall 2023	Brian Simpkins ...	S M T W **T** F S 06:00 PM - 08:45 PM **Type:** Class **Building:** Stratton Building **Room:** 202 **Start Date:** 08/14/2023 **End Date:** 12/02/2023	Richmond	30 ...	Traditional Face-to-Face

- AEM classes related to Computer Aided Design (CAD), CIS classes, or others of interest.
  AEM 195

Title	Subject D	Course	Hours	CRN	Term	Instructor	Meeting Times	Campus	Status	Instructional Methods
Computer Aided Drafting L/LB Lecture w/Lab included	AEM ...	195	3	11213	Fall 2023	Ni Wang ...	S M **T** W **T** F S 02:00 PM - 03:55 PM **Type:** Class **Building:** Whalin Complex **Room:** 340 **Start Dat**	Richmond	20 ...	Traditional Face-to-Face

Minor in Homeland Security: https://catalogs.eku.edu/undergraduate/justice-safety-military-science/safety-security-emergency-management/homeland-security-minor/#programrequirementstext

A student may minor in Homeland Security by completing, with a grade of "C" or better, a total of 18 semester hours as follows:

Required Courses		
HLS 101	Introduction to Homeland Security	3
HLS 210	Cyber and Physical Security	3
HLS 260	Disaster Preparedness & Response	3
or HLS 461	Disaster Resilience	
HLS 301	Critical Infrastructure Protection	3
HLS 391	Risk Analysis	3
HLS 401	Intelligence Process	3
or HLS 465	Unconventional Threats and Responses	
HLS 430	Terrorism and Violent Extremism	3
Total Hours		**21**

Risk Management and Insurance Minor: https://catalogs.eku.edu/undergraduate/business/business/risk-management-insurance-minor/

Minor in Innovation & Entrepreneurial Thinking: https://catalogs.eku.edu/undergraduate/business/business/innovation-entrepreneurial-thinking-minor/

Minor in Business: https://catalogs.eku.edu/undergraduate/business/business/business-minor/

Minor in Mathematical Systems: https://catalogs.eku.edu/undergraduate/science-technology-engineering-mathematics/mathematics-statistics/mathematical-sciences-minor/

Choose from six hours of the following:		6
CSC 170	Intro to Game Programming	
CSC 174	Introduction to Programming for Science & Engineering	
CSC 189	Computing Concepts and Programming	
CSC 190	Object- Oriented Programming I	
CSC 191	Object- Oriented Programming II	
MAT 234	Calculus I	4
MAT 244	Calculus II	4
STA 270	Applied Statistics	4
STA 340	Applied Regression Analysis	3
Total Hours		**21**

Minor in Cybersecurity and Intelligence

Minor in Game Content Design

Starting Fall 2023, the NET 354 and NET 454 are in process for being approved as electives for the Minor in Cybersecurity & Intelligence

MINOR IN CYBERSECURITY AND INTELLIGENCE
Minor in Cybersecurity and Intelligence...............21 hours
   A student may minor in Cybersecurity and Intelligence by completing HLS 401, HLS 402, HLS 403, INF 321, INF 322, and two courses from CIS 320, CIS 325, CSC 332, CSC 520, CSC 542, CSC 548, INF 307, INF 314, or INF 318.

MINOR IN GAME CONTENT DESIGN
Minor in Game Content Design.............................20 hours
   A student may minor in Game Content Design by completing INF 123, INF 130, MUS 290(2), INF 330, INF 391, INF 430, and one of ART 100, BEM 353W, INF 120 or ENG 306.

Cyber Systems Tech Security (formerly Network Security Management (NSM)) concentration graduate course requirements being offered in Fall 2023 for meeting MS (Applied Engineering & Technology Management, AETM) degree requirements

Cyber Systems Tech Security/NSM concentration grad classes: NSM 815, 845, 895

Core Classes: AEM 801, 804, TEC 830, 6-credits: TEC 860, AEM 821, AEM 839

Supporting courses: ACC 820; AEM 730, or STA 785; CIS 850, 860, CON 824, 825, 826, CSC 720, 730, 738, 744, 747, 748, 815, 825, 834, 860, CTE 800, 801, 888, GBU 850, HLS 830, MGT 850, MKT 850, NSM 865, PSY 804, 872, 873, 874, 875, QMB 850, 854, SSE 827, 828, 832, STA 700, 770, 775, TEC 860, 867, UNP 700, and <u>other courses by advisement</u>. Additionally, AEM 706, 802, 805.

NSM845

NSM 845 is not being offered in the fall 2023 semester.

NSM 815 (Foundations of Network Security) and NSM 895 (Special Topics in NSM) are scheduled to be offered in the fall 2023 semester.

Title	Subject Desc	Course N	Hours	CRN	Term	Instructor	Meeting Times	Campus	Status	Attrib	Instructional Methods
Foundations of Network Sec L/LB Lecture w/Lab included	NSM N...	815	3	12028	Fall 2023	Rendong Bai	S M **T** W T F S 05:00 PM - 09:00 PM Type: Class Building: Internet Classes Room: None Start Date: 08/14/2	Richmond	10 ...		100% Online: Synchronous
Foundations of Network Sec L/LB Lecture w/Lab included	NSM N...	815	3	12781	Fall 2023	Rendong Bai ...	S M **T** W T F S 05:00 PM - 09:00 PM Type: Class Building: Whalin Complex Room: 408 Start Date: 08/14/20	Richmond	10 ...		Traditional Face-to-Face
Hacking Tools and Techniques SPE Special	NSM N...	895	3	13641	Fall 2023	David Freet (...	S M T W T F S - Type: Class Building: Internet Classes Room: None Start Date: 08/14/2023 End Date: 12/	Richmond	16 ...		100% Online: Asynchronous

AEM 804

Title	Subject D	Course N	Hours	CRN	Term	Instructor	Meeting Times	Campus	Status	Attrib	Instructional Methods
Project Management LEC Lecture	AEM ...	804	3	11103	Fall 2023	Dennis Field ...	S M **M** T W T F S 11:15 AM - 12:05 PM Type: Class Building: Whalin Complex Room: 306 Start Date: 08/14/2023 End Date: 10/06/2023	Richmond	10 ...		Web-blended: Asynchronous
Project Management LEC Lecture	AEM ...	804	3	11302	Fall 2023	Dennis Field ...	S M T W T F S - Type: Class Building: Internet Classes Room: None Start Date: 08/14/2023 End Date: 10/06/2023	Richmond	10 ...		100% Online: Asynchronous

AEM 820 & 821

Title	Subject D	Course	Hours	CRN	Term	Instructor	Meeting Times	Campus	Status	A	Instructional Methods
Tech Mgmt Proposal SPE Special	AEM ...	820	3	12189	Fall 2023	Dennis Field (P...	S M T W T F S - Type: Class Building: None Room: None S	Richmond	10 ...		Applied Learning Experience

Title	Subject D	Course	Hours	CRN	Term	Instructor	Meeting Times	Campus	Status	Instructional Methods
Tech Mgmt Project SPE Special	AEM ...	821	3	10848	Fall 2023	Dennis Field...	S M T W T F S - Type: Class Building: None Room: None	Richmond	10...	Applied Learning Experience

TEC 830

TEC 830 is not being offered in the fall 2023 semester

TEC 860

TEC 830 is not being offered in the fall 2023 semester and is regularly offered in the summer 12-week semester.

Summer 2023

BS (CST/NET), 3+2 BS (CST) and Graduate-level MS (TM – CSTS) concentration classes

NET349 (Co-op), NET 367A (Exit exam for AAS), NET 367B (Exit exam for Minor), 467 (Exit exam for BS)

Title	Subject D	Course	Hours	CRN	Term	Instructor	Meeting Times	Campus	Status	Instructional Methods
Applied Learning in NET COOP Cooperative Education	NET ...	349	0.5...	50218	Summer 2023	Vigs Chandra...	S M T W T F S - Type: Class Building: None Room: None Start Date: 05/22/2023 End Date: 08/11/2023	Richmond	🚫 F.	Applied Learning Experience
Exit Exam/Tech Computer Elect Exit Exam- Graduation Reqrmnt	NET ...	367A	0	50257	Summer 2023	Vigs Chandra...	S M T W T F S - Type: Class Building: None Room: None Start Date: 05/22/2023 End Date: 08/11/2023	Richmond	15 ...	Applied Learning Experience
Exit Exam/Minor Comp Elect Tec Exit Exam- Graduation Reqrmnt	NET ...	367B	0	50258	Summer 2023	Vigs Chandra...	S M T W T F S - Type: Class Building: None Room: None Start Date: 05/22/2023 End Date: 08/11/2023	Richmond	15 ...	Applied Learning Experience
Exit Exam/BS NET Exit Exam- Graduation Reqrmnt	NET ...	467	0	50259	Summer 2023	Vigs Chandra...	S M T W T F S - Type: Class Building: None Room: None Start Date: 05/22/2023 End Date: 08/11/2023	Richmond	15 ...	Applied Learning Experience

BS (CST/NET) students within 30 hours of completion of their degree, with a 3.0 GPA or higher, may enroll concurrently in graduate level courses (total undergrad/grad class load limited to 15 hours). Note that any graduate level classes taken concurrently with undergraduate level ones may not be used to fulfill any undergrad requirements.

However, students who started in the **accelerated 3+2 BS (CST)** program **in Fall 2019 (or later)** can use the following courses: AEM 804 (Project Management) in place of AEM 407 (Fundamentals of Project Mgt.), NSM 815, and NSM 845. Of these AEM 804 is being offered in summer 2023.

Title	Subject De	Course N	Hours	CRN	Term	Instructor	Meeting Times	Campus	Status
Project Management LEC Lecture	AEM ...	804	3	50125	Sum...	Dennis Field ...	S M T W R F S - Type: Class Building: Internet Classes Room: None Start Date: 05/22/2023 End Date: 06/30/2023	Richmond	12 ...
Project Management LEC Lecture	AEM ...	804	3	50713	Sum...	Dennis Field ...	S M T W R F S 11:15 AM - 12:05 PM Type: Class Building: Whalin Complex Room: 205 Start Date: 05/22/2023 End Date: 06/30/2023 / S M T W R F S - Type: Class Building: Internet Classes Room: None Start Date: 05/22/2023 End Date: 06/30/2023	Richmond	10 ...

Students in the accelerated **3+2 BS (NET)** program, started prior to Fall 2019, may take the following 3 grad courses and count these in both their BS(NET) and future MS (AETM-NSM concentration) coursework: AEM 804 (Project Management) in place of AEM 407 (Fundamentals of Project Mgt.), along with AEM 801 (Economics for Lean Ops) and TEC 860 (Creative Problem Solving).

Refer to the specific **MS Degree courses in Technology Management with concentration in Cyber Systems Tech Security** requirements given on of this document.

AEM 801, 804, 820, 821

Title	Subject De	Course Nu	Hours	CRN	Term	Instructor	Meeting Times	Campus	Status
Project Management LEC Lecture	AEM ...	804	3	50125	Sum...	Dennis Field ...	S M T W R F S - Type: Class Building: Internet Classes Room: None Start Date: 05/22/2023 End Date: 06/30/2023	Richmond	12
Project Management LEC Lecture	AEM ...	804	3	50713	Sum...	Dennis Field ...	S **M** T W R F S 11:15 AM - 12:05 PM Type: Class Building: Whalin Complex Room: 205 Start Date: 05/22/2023 End Date: 06/30/2023 S M T W R F S - Type: Class Building: Internet Classes Room: None Start Date: 05/22/2023 End Date: 06/30/2023	Richmond	10
Industrial Tech Proposal SPE Special	AEM ...	820	3	50126	Sum...	Dennis Field ...	S M T W R F S - Type: Class Building: None Room: None Start Date: 05/22/2023 End Date: 08/11/2023	Richmond	5 o
Industrial Technology P... SPE Special	AEM ...	821	3	50127	Sum...	Dennis Field ...	S M T W R F S - Type: Class Building: None Room: None Start Date: 05/22/2023 End Date: 08/11/2023	Richmond	6 o

TEC 830

Title	Subject D	Course	Hours	CRN	Term	Instructor	Meeting Times	Campus	Status	Instructional Methods
Creative Problem Solving LEC Lecture	TEC ...	830	3	50239	Summer 2023	Ray Richardson ...	S M T W T F S - Type: Class Building: Internet Classes Room: None Start Date: 05/22/2023 End Date: 08/11/2023	Richmond	12 ...	100% Online: Asynchronous

Supporting courses for BS (CST) and AAS (Technology – Computer Electronics)

MAT 112 or higher (so MAT 114, MAT 120, or MAT 234 may be taken)

MAT 112 (Algebra)

Title	Subject De	Course Numb	Hours	CRN	Term	Instructor	Meeting Times	Campus	Status	A Instructional Methods
Quantitative Support: MAT 112A LABO Lab:graded w/cr hrs	MAT M...	111A	0.5	50635	Summer ...	Patrick Coen (...	S M T W T F S - Type: Class Building: Internet Classes Room: None Start Date: 05/22/2023 End Date: 06/30/2023	Richmond	7 o...	100% Online: Asynchronous
Quantitative Support: MAT 112B LABO Lab:graded w/cr hrs	MAT M...	111B	0.5	50636	Summer ...	Darrell Stillwell	S M T W T F S - Type: Class Building: Internet Classes Room: None Start Date: 07/03/2023 End Date: 08/11/2023	Richmond	❶ F	100% Online: Asynchronous
Algebra: Polynomials L/LB Lecture w/Lab included	MAT M...	112A	1.5	50371	Summer ...	Patrick Coen (...	S M T W T F S - Type: Class Building: Internet Classes Room: None Start Date: 05/22/2023 End Date: 06/30/2023	Richmond	10 ...	100% Online: Asynchronous
Algebra: Functions & Matrices L/LB Lecture w/Lab included	MAT M...	112B	1.5	50372	Summer ...	Darrell Stillwell ...	S M T W T F S - Type: Class Building: Internet Classes Room: None Start Date: 07/03/2023 End Date: 08/11/2023	Richmond	8 o...	100% Online: Asynchronous

MAT 114 (College Algebra)

Title	Subject De	Course	Hours	CRN	Term	Instructor	Meeting Times	Campus	Status	Instructional Methods
College Algebra L/LB Lecture w/Lab included	MAT ...	114	3	50866	Summer 2023	Carol Lotz...	S M T W T F S - Type: Class Building: Internet Classes Room: None Start Date: 05/22/2023 End Date: 06/30/2023	Richmond	17 ...	100% Online: Asynchronous

MAT 120 (Trig):

Title	Subject D	Course Number	Hours	CRN	Term	Instructor	Meeting Times	Campus	Status	Instructional Methods
Trigonometry LEC Lecture	MAT ...	120	3	50246	Summer 2023	Jeffrey Stevens (P...	S M T W T F S - Type: Class Building: Internet Classes Room: None Start Date: 05/22/2023 End Date: 06/30/2023	Richmond	13...	100% Online: Asynchronous

MAT234 (Cal I)

Title	Subject D	Course	Hours	CRN	Term	Instructor	Meeting Times	Campus	Status	Instructional Methods
Calculus I LEC Lecture	MAT ...	234	4	50637	Summer 2023		S M T W T F S - Type: Class Building: Internet Classes Room: None Start Date: 06/19/2023 End Date: 08/11/2023	Richmond	10 o...	100% Online: Asynchronous

STA 215 or STA 240 (4)

Title	Subject D	Course	Hours	CRN	Term	Instructor	Meeting Times	Campus	Status	Instructional Methods
Introduction to Statistical Reasoning LEC Lecture	STA ...	215	3	50095	Summer 2023	Jame...	S M T W T F S - Type: Class Building: Internet Classes Room: None Start Date: 05/22/2023 End Date: 07/14/2023	On-line Student	14 ...	100% Online: Asynchronous
Quantitative Support for STA 215 LABO Lab:graded w/cr hrs	STA ...	215P	1	50343	Summer 2023		S M T W T F S - Type: Class Building: Internet Classes Room: None Start Date: 05/22/2023 End Date: 07/14/2023	On-line Student	96 ...	100% Online: Asynchronous

PHY 101 (3) or 131 (5 credit hours):

Title	Subject D	Course	Hours	CRN	Term	Instructor	Meeting Times	Campus	Status	Instructional Methods
Conceptual Physics L/LB Lecture w/Lab included	PHY ...	101	3	50909	Summer 2023	Stephanie Harmon...	S M T W T F S - Type: Class Building: Internet Classes Room: None Start Date: 05/22/2023 End Date: 06/30/2023	Richmond	22 ...	100% Online: Asynchronous

ECO 120, or 230 or ECO 231

Title	Subject D	Course	Hours	CRN	Term	Instructor	Meeting Times	Campus	Status	Instructional Methods
Fundamentals of Microeconomics LEC Lecture	ECO...	230	3	50317	Summer 2023	John Harter (Pri...	S M T W T F S - Type: Class Building: Internet Classes Room: None Start Date: 05/22/2023 End Date: 07/14/2023	On-line Student	190...	100% Online: Asynchronous
Fundamentals of Microeconomics LEC Lecture	ECO...	230	3	50822	Summer 2023	Bob Houston (Pr...	S M T W T F S - Type: Class Building: Internet Classes Room: None Start Date: 06/19/2023 End Date: 08/11/2023	On-line Student	198...	100% Online: Asynchronous
Fundamentals of Macroeconomics LEC Lecture	ECO...	231	3	50893	Summer 2023	Bob Houston (Pr...	S M T W T F S - Type: Class Building: Internet Classes Room: None Start Date: 06/19/2023 End Date: 08/11/2023	Richmond	44 ...	100% Online: Asynchronous
Fundamentals of Macroeconomics LEC Lecture	ECO...	231	3	50318	Summer 2023	Cynthia Harter (...	S M T W T F S - Type: Class Building: Internet Classes Room: None Start Date: 05/22/2023 End Date: 07/14/2023	On-line Student	66 ...	100% Online: Asynchronous

Summer 2023

Additional supporting courses for BS (CST/NET) only

9 hours of computing-related classes: (CSC 160 or higher), or (INF 130 or higher), or (CIS 215 or higher)

Title	Subject	Course	Hours	CRN	Term	Instructor	Meeting Times	Campus	Status	Instructional Methods
Computer Literacy with Software Applications LEC Lecture	INF ...	104	3	50490	Summer 2023	Cindy Bragg (Primary)	S M T W T F S - Type: Class Building: Internet Classes Room: None Start Date: 05/22/2023 End Date: 07/14/2023	On-line Student	290...	100% Online: Asynchronous
Cyberspace Security and Ethics LEC Lecture	INF ...	307	3	50708	Summer 2023	Tom Kay (Primary)	S M T W T F S - Type: Class Building: Internet Classes Room: None Start Date: 06/19/2023 End Date: 08/11/2023	Richmond	21 ...	100% Online: Asynchronous
MS Office & Data Analysis LEC Lecture	INF ...	314	3	50913	Summer 2023	Shuangteng Zhang	S M T W T F S - Type: Class Building: Internet Classes Room: None Start Date: 05/22/2023 End Date: 06/30/2023	Richmond	29 ...	100% Online: Asynchronous
Mobile Device Security & Privacy LEC Lecture	INF ...	318	3	50327	Summer 2023	Shuangteng Zhang	S M T W T F S - Type: Class Building: Internet Classes Room: None Start Date: 05/22/2023 End Date: 06/30/2023	Richmond	30 ...	100% Online: Asynchronous

Starting Fall 2022, the INF 104 may be taken in place of TEC 161, following approval of proposed program curriculum changes.

3 hours of an upper-division management related course are needed in the BS(CST) degree: MGT 301, MKT 301, and RMI 370 are being offered in summer 2023. Pre-requisite for this is upper division standing (60 hours or more)

MGT 301

Title	Subject D	Course	Hours	CRN	Term	Instructor	Meeting Times	Campus	Status	Instructional Methods
Principles of Management (NB) LEC Lecture	MGT...	301	3	50028	Summer 2023	Kambiz Tabibzadeh ... Lindsey Turner	S M T W T F S - Type: Class Building: Internet Classes Room: None Start Date: 05/22/2023 End Date: 07/14/2023	On-line Student	64 ...	100% Online: Asynchronous

MKT 301

Title	Subject D	Course	Hours	CRN	Term	Instructor	Meeting Times	Campus	Status	Instructional Methods
Principles of Marketing (NB) LEC Lecture	MKT...	301	3	50184	Summer 2023	Julie Curry Weiling Zhuang ...	S M T W T F S - Type: Class Building: Internet Classes Room: None Start Date: 06/19/2023 End Date: 08/11/2023	On-line Student	63 ...	100% Online: Asynchronous

RMI 370

Title	Subject D	Course	Hours	CRN	Term	Instructor	Meeting Times	Campus	Status	Instructional Methods
Principles of Risk and Insuran... LEC Lecture	RMI ...	370	3	50185	Summer 2023	Siwei Gao...	S M T W T F S - Type: Class Building: Internet Classes Room: None Start Date: 05/22/2023 End Date: 07/14/2023	On-line Student	39 ...	100% Online: Asynchronous

As TEC 161 (Computer Applications in Industry) is not being offered in the summer, the INF 104 course may be used to substitute for TEC 161 with prior adviser approval:

BS (CST) students need PHY 101 or higher AND any other [Gen Ed Natural Science Element 4](#). This may include lab-based chemistry classes or others in Element 4 such as AST 135 (Introductory Astronomy). BS (NET) students need to take a PHY 101 or higher AND a lab-based chemistry class.

CHE 101 & 101L

Title	Subject D	Course	Hours	CRN	Term	Instructor	Meeting Times	Campus	Status	Instructional Methods
Introductory Chemistry LEC Lecture	CHE...	101	3	50497	Summer 2023	Shabnam Haghishahir ...	S M T W T F S - Type: Class Building: Internet Classes Room: None Start Date: 05/22/2023 End Date: 07/14/2023	On-line Student	182...	100% Online: Asynchronous

(CHE 111 & 111L) may be taken in place of (CHE 101 & 101L)

Title	Subject D	Course	Hours	CRN	Term	Instructor	Meeting Times	Campus	Status	Instructional Methods
General Chemistry LEC Lecture	CHE...	111	3	50006	Summer 2023	Jerome May...	S M T W T F S 08:00 AM - 09:40 AM Type: Class Building: New Science Building Room: 4125 Start Date: 05/22/2023 End Date: 06/30/2023	Richmond	38 ...	Traditional Face-to-Face

AST 135

Title	Subject D	Course	Hours	CRN	Term	Instructor	Meeting Times	Campus	Status	Instructional Methods
Introductory Astronomy LEC Lecture	AST ...	135	3	50263	Summer 2023	Jessica Lair ...	S M T W T F S - Type: Class Building: Internet Classes Room: None Start Date: 05/22/2023 End Date: 06/30/2023	Richmond	43 ... L	100% Online: Asynchronous
Introductory Astronomy Lab LAB Lab:no grade/no cr hrs	AST ...	135	0	50264	Summer 2023	Jessica Lair ...	S M T W T F S - Type: Class Building: Internet Classes Room: None Start Date: 05/22/2023 End Date: 06/30/2023	Richmond	43 ... L	100% Online: Asynchronous

Certification Exam requirement for BS (CST/NET)

BS Degree students need to take an adviser-approved computer/networking, security, or electricity/electronics systems related certification exam. These could be related to hardware or software or applications, particularly in the direction you see yourself advancing professionally. Students have completed CompTIA IT Fundamentals, A+, Network+, Security+, Project+; or Cisco's ICND1, CCNA; or Microsoft Certified Professional (MCP); Google IT Support, Adobe Muse, etc.

The CompTIA certifications can be obtained at discounted educational pricing through the CompTIA Academic Marketplace -- https://academic-store.comptia.org/certification-vouchers/c/11332

The academically discounted and actual costs for:
A+ $112 per exam (2 needed) vs. $246 (2 needed), 50+% off each
Network+ $173 vs. $358, 50+% off
Security+ $254 vs. $392, 35% off

ITF+ $82 vs. $134 (around 40% off)
Cloud Essentials+ $82 vs. $134 (around 40% off)

If interested in Cloud technology deployments, consider CompTIA's Cloud+ ($173 vs. $358, 50+% off) or IT Project Management, through their Project+, also priced at $173.

The CompTIA Academic marketplace has the following guidelines:
For the purchase of CompTIA Exam Vouchers or CertMaster Learning the following rules apply:
• The quantity you place in your cart for a single line item of either product is limited to (1)
• You are limited to buying (4) vouchers and (6) digital products in a six-month period
• Total lifetime purchases of either product may not exceed (10)
At checkout, you will be asked to provide eligibility information that will be validated regarding yourself and the school you attend.

Non-academic pricing for these certifications are significantly higher -- https://www.comptia.org/testing/exam-vouchers/exam-prices.

First sign up for a CompTIA Academic Marketplace account using your EKU MyMail account.
https://academic.comptiastore.com/login.asp?

Then add any exam vouchers (such as IT Fundamentals) to the cart and checkout. An exam code will be sent via email.

Next, head to the Pearson VUE website, where you schedule the exam using the CompTIA exams. Here, you will need to create a new Pearson VUE account:

http://www.pearsonvue.com/comptia/

Next, go through the steps of finding an exam center for the CompTIA exam, setting up the day and time you would like to take it, and towards the end of the process instead of entering payment information for the certification, you can scroll down and enter the exam code obtained from the CompTIA Academic Marketplace. Once your exam is scheduled you should receive a notification. Exams can be rescheduled within a day or so of the initial date. Owing to the ongoing Covid pandemic exams may be scheduled at home as well.

With the exam scheduled work backwards and plan out a study schedule. Take as many practice exams for the certification as you can. For example, some free sample CompTIA IT Fundamental questions are available through tutorials at: https://www.exam-labs.com/vendor/CompTIA as recommended by program alum, or other question sets for the certification you are interested in taking through online websites. Identify key online study/review resources and build in a bit of practice just about every day for sharpening those timed certification test taking skills. All the best!

Plan out your fall and summer 2023 schedule: Use a weekly planner such as the one shown below courtesy, PublicDomainPictures.net, for planning out days/times classes meet, or through the web based live online free college schedule maker at: **https://freecollegeschedulemaker.com/ or at**

https://www.coursicle.com/eku/ (generally accurate, cross-check with the actual EKU online schedule book

Time	Mon	Tue	Wed	Thu	Fri	Sat	Sun
8:00 AM							
9:00 AM							
10:00 AM							
11:00 AM							
12:00 PM							
1:00 PM							
2:00 PM							
3:00 PM							
4:00 PM							
5:00 PM							