Spring and Summer 2024 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 spring and summer '24 classes

Contact cyber program faculty advisers for assistance with advising and to obtain your Registration Access Code (RAC) for fall/summer 2024

Prof. Vigs (coordinator) – **vigs.chandra@eku.edu**, 859-622-1187
Dr. Richardson – **ray.richardson@eku.edu**, 859-622-1200
Dr. Bai – **rendong.bai@eku.edu**, 859-622-1181

Click to access the list of:

BS (Cyber Systems Technology) degree requirements:

Latest (Fall 2023) semester-by-semester visual program map: BS (CST-net)*

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

Program Requirements

CIP Code: 15.1299

Summary Checklist for General Education

Code	Title	Hours
Element 1		
A: Written Communication		3
B: Written Communication		3
C: Oral Communication		3
Element 2		
Quantitative Reasoning		3
Element 3		
A: Arts		3
B: Humanities		3
Element 4		
Natural Sciences		6
Element 5		
A: Historical Science		3
B: Social Behavioral Science		3
Element 6		
Diversity of Perspectives Experiences		6
Total Hours		**36**
Course List		

Students are expected to complete Elements 1 and 2 within their first 60 hours of college credit.

Major

Code	Title	Hours
University Graduation Requirements		
General Education		36
Student Success Seminar		
SCO 100	Student Success Seminar (waived for transfers with 30+ hrs.)	1
Upper division courses (42 hrs. distributed throughout Major/Supporting/Gen Ed/Free Electives categories)		
Major Requirements		
Core Courses		
AEM 202	Introduction to Quality	3
AEM 310W	Technical Communication	3

Code	Title	Hours
AEM 408	Human Resource Development	3
EET 252	Digital Electronics	3
NET 302	PC Troubleshooting & Construction	3
NET 303	LANs & PC Communications	3
NET 343	Network Switches & Routers	3
NET 349	Applied Learning in NET	1
NET 354	Microcomputer & Network Security	3
NET 403	Advanced LANSs and PC Communication	3
NET 361	Cloud Technology Foundations	3
NET 499	Senior Capstone	3

Code	Title	Hours
Major Electives		
AEM 407	Fundamentals of Project Management	3
or CIS 410	Project Management and Practice	
AEM 352	Robotics and Automated Systems	3
or EET 253	Microprocessor Control Systems	
or EET 351	Programmable Logic Controllers	
or NET 440	Wired/Wireless Communications	
TEC 161	Computer Applications in Technology	3
or INF 104	Computer Literacy with Software Applications	
Concentrations		
Students must select one of the following Concentrations:		
Network Security & Electronics Tech Systems		24

Code	Title	Hours
Supporting Course Requirements		
ECO 120	Economic Reasoning and Issues (or higher) (Element 5B) ᴳ	
MAT 112A & MAT 112B	Algebra: Polynomials and Algebra: Functions & Matrices (or higher) (Element 2) ᴳ	
PHY 101	Conceptual Physics (or higher) (Element 4) ᴳ	
STA 215 or STA 270	Introduction to Statistical Reasoning Applied Statistics	3-4
Choose from three hours of ACC, AEM, CCT, CIS, FIN, MGT, MKT, or RMI electives as approved by major advisor		3

Code	Title	Hours
Free Electives		
Choose from 9-10 hours of free electives (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.)		9-10
Exit Requirements		
NET 467	Exit Exam for BS in NET (CR only, no hours)	0
Total Hours		120

Course List

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Course also satisfies a General Education element. Hours are included within the 36 hr. General Education requirement above.

Concentration: NET

Code	Title	Hours
Concentration Courses		
EET 251	Electricity and Electronics	3
EET 257	Electronic Devices and Circuits	3
NET 344	Advanced Network Devices	3
NET 395	Special Topics in NET	3
NET 454	Wireless/WAN Security	3
Choose from nine hours of CSC, CIS, or INF courses of the following:		9
CSC 160	Introduction to Web Programming (or higher)	
CIS 215	Introduction to Business Programming (or higher)	
INF 130	3D Printing (or higher)	
Total Hours		24
Course List		

Concentration: Tech Systems

Code	Title	Hours
Concentration Courses		
Choose from 24 hours of computer systems, electricity & electronics, and networking related technical electives as approved by major adviser. This is the recommended option for transfer students.		24
Total Hours		24
Course List		

Note – Transfer students or majors switching over to the BS (CST – Tech Systems) should have ALREADY COMPLETED at least 24 hours of "computer systems, electricity & electronics, and networking related technical electives" prior to declaring this concentration.

Please note that at least 3-6 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. Students may take NET 395 up to a maximum of 9 credit hours with different topics

In Spring 2024, **_NET 395 (IT-AV Project Mgt.)_** 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:

- Fall 2023 – _Comp Net Management Tools_
- 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 (^{G}**Element 1A**) and 102 (^{G}**Element 1B**) or 105; MAT (112A and 112B) or higher (^{G}**Element 2**); humanities (^{G}**Element 3B or 3A/B**); ECO 230 (^{G}**Element 5B**); CMS 100 or 210 or EES 250 (^{G}**Element 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/3+2BS-CST-NetSec-map--fa23+.pdf

3+2 BS (CST-TecSys) map http://people.eku.edu/chandrav/NET/Advising/3+2BS-CST-TecSys-map--fa23+.pdf

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

http://people.eku.edu/chandrav/NET/Advising/3+2BS(CST-Net)+MS(TM-CSTM)-map--fa23+.pdf

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

University Certificate in Cyber Systems and Network Security

Program Requirements

CIP Code: 15.1299

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	
NET 367C	Exit Exam for University Certificate in Cyber Systems and Network Security	0
Total Hours		**24**

Minor in Computer Electronics Technology

Program Requirements

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.

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 Spring/Summer schedule: https://freecollegeschedulemaker.com/

(Use a web based live online free college schedule maker for planning out your spring and summer 2024 schedule)

Or

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

(A handy tool for planning your spring/summer classes. It also identifies the Registration Access Code (RAC) associated with each course)

EET and NET courses being offered in Spring 2024

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

EET and NET undergrad classes:

EET Electricity/Electronics

Select	CRN	Subj	Crse	Info	Campus	Cred	Title	Term	Days	Date (MM/DD)	Time	Cap	Enrolled	Remaining	Instructor	Location
	20548	EET	251		Richmond	3.000	Electricity and Electronics	Full Term	MW	01/16-05/11	10:10 am-12:05 pm	18	0	18	Ray E. Richardson (P)	WHALN 400
									MW		10:10 am-12:05 pm				Ray E. Richardson (P)	WHALN 403
	20005	EET	252		Richmond	3.000	Digital Electronics	Full Term	TR	01/16-05/11	08:00 am-09:55 am	18	0	18	Ray E. Richardson (P)	WHALN 400
									TR		08:00 am-09:55 am				Ray E. Richardson (P)	WHALN 403
	20894	EET	252		Richmond	3.000	Digital Electronics	Full Term	MW	01/16-05/11	02:30 pm-04:25 pm	18	0	18	Ray E. Richardson (P)	WHALN 400
									MW		02:30 pm-04:25 pm				Ray E. Richardson (P)	WHALN 403
	20489	EET	257		Richmond	3.000	Electronic Devices and Circuits	Full Term	TR	01/16-05/11	02:00 pm-03:55 pm	18	0	18	Vigyan Jackson Chandra (P)	WHALN 400
									TR		02:00 pm-03:55 pm				Vigyan Jackson Chandra (P)	WHALN 407
	20006	EET	351		Richmond	3.000	Programmable Logic Controllers	Full Term	MW	01/16-05/11	08:00 am-09:55 am	16	0	16	Anthony Mason Friend (P)	WHALN 204
									MW		08:00 am-09:55 am				Anthony Mason Friend (P)	WHALN 403

NET Networking

Select	CRN	Subj	Crse	Info	Campus	Cred	Title	Term	Days	Date (MM/DD)	Time	Cap	Act	Rem	Instructor	Location
	20490	NET	302		Richmond	3.000	PC Troubleshooting & Construction	Full Term	MW	01/16-05/11	10:10 am-12:05 pm	16	0	16	Jeffery Benjamin Kilgore (P)	WHALN 404
	21302	NET	303		Richmond	3.000	LANs & PC Communications	Full Term	TR	01/16-05/11	11:00 am-12:55 pm	18	0	18	Jagger Coffey (P)	WHALN 400
	20491	NET	343		Richmond	3.000	Network Switches & Routers	Full Term	MW	01/16-05/11	12:20 pm-02:15 pm	18	0	18	Vigyan Jackson Chandra (P)	WHALN 407
	20872	NET	354		Richmond	3.000	Microcomputer & Network Security	Full Term	MW	01/16-05/11	10:10 am-12:05 pm	21	0	21	Rendong Bai (P)	WALL 430
	20800	NET	367A		Richmond	0.000	Exit Exam/Tech Computer Elect	Extended Registration		01/16-05/11	TBA	20	0	20	Vigyan Jackson Chandra (P)	TBA
	20801	NET	367B		Richmond	0.000	Exit Exam/Minor Comp Elect Tec	Extended Registration		01/16-05/11	TBA	10	0	10	Vigyan Jackson Chandra (P)	TBA
	24100	NET	367C		Richmond	0.000	Exit Exam for University Certificate in Cyber Systems and Network Security	Extended Registration		01/16-05/11	TBA	20	0	20	Vigyan Jackson Chandra (P)	TBA
	21277	NET	395		Richmond	3.000	IT-AV Project Mgt.	Full Term	MW	01/16-05/11	02:30 pm-04:25 pm	18	0	18	Justin Derrick Goldstein (P)	WHALN 408
	20492	NET	399		Richmond	3.000	Associate Degree Capstone	Full Term	W	01/16-05/11	05:00 pm-08:45 pm	16	0	16	Vigyan Jackson Chandra (P)	WHALN 407
	20493	NET	403		Richmond	3.000	Advance LANs/PC Communication	Full Term	TR	01/16-05/11	02:00 pm-03:55 pm	18	0	18	Rendong Bai (P)	WALL 430
	21040	NET	454		Richmond	3.000	Wireless/WAN Security	Full Term	MW	01/16-05/11	12:20 pm-02:15 pm	18	0	18	Jeffery Benjamin Kilgore (P)	WHALN 404
	20752	NET	467		Richmond	0.000	Exit Exam/BS NET	Extended Registration		01/16-05/11	TBA	15	0	15	Vigyan Jackson Chandra (P)	TBA
	20494	NET	499		Richmond	3.000	Senior Capstone	Full Term	W	01/16-05/11	05:00 pm-08:45 pm	16	0	16	Vigyan Jackson Chandra (P)	WHALN 400

Note that NET 399/499 are spring-semester only classes. NET 454 is also currently offered only in the spring semester.

Links to BS(CST/NET) and AAS(Technology-CE) capstone projects (NET499/399): Spring 2023, 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 58 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 845 is being offered in the spring 2024 semester.

NSM 845

NSM Network Security Mgt

Select	CRN	Subj	Crse	Info ▼	Campus	Cred	Title	Term	Days	Date (MM/DD)	Time	Cap	Enrolled	Remaining	Instructor	Location
	21134	NSM	845	🛈	Richmond	3.000	Advanced Server Security	Full Term	T	01/16-05/11	05:00 pm-08:45 pm	12	0	12	Rendong Bai (P.)	WALL 430
	23039	NSM	845	🛈	Richmond	3.000	Advanced Server Security	Full Term	T	01/16-05/11	05:00 pm-08:45 pm	10	0	10	Rendong Bai (P.)	WEB

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 Master's 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.

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 IT computer technologies related **student jobs** are general available on campus (under the "Employment Type" search box, type in "Student"). 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 the 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; After logging into your student Handshake account click on "**Career Center**" and click "**Request an Experience**" to initiate the request for using your current IT job/volunteer for use towards college credit (NET 349).

For students who are already working in an IT related field 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 typically required.

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

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The Handshake request you fill out is first routed via email to your employer for their approval, following which it is comes to me for CST program co-op requests, then is routed to the overall EKU co-op director, Ms. Zoie Webb, who works with the Registrar's office to get the student registered for NET 349:

Once you initiate the Handshake request, please let your work supervisor know that they will be receiving an email from: **handshake@notifications.joinhandshake.com**

Note that this is NOT an EKU domain, and so may get quarantined or flagged as spam by the organization's email system. This email includes a link to the online survey link for approving your co-op with the company counting towards NET 349 course credit.

Once you have found a suitable IT internship position, the following information will be needed on the web form while applying for toward co-op credit (NET 349) at EKU:

- 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 the start date and leave the end date open if it has not yet been decided, or extends beyond semester
- ID 901 Number:
- Supervisor name:
- Supervisor email:
- **Job description: (include at least 4-6 bulleted list items outlining your IT-related job responsibilities)**
- 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, close to 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 Spring 2024

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

TEC Technology, General

Select	CRN	Subj	Crse	Info ▼	Campus	Cred	Title	Term	Days	Date (MM/DD)	Time	Cap	Enrolled	Remaining	Instructor	Location
	20007	TEC	161	⚲	Richmond	3.000	Computer Applications in Technology	Full Term	MW	01/16-05/11	12:20 pm-02:15 pm	22	0	22	TBA	WHALN 340
	20008	TEC	161	⚲	Richmond	3.000	Computer Applications in Technology	Full Term	TR	01/16-05/11	02:00 pm-03:55 pm	23	0	23	TBA	WHALN 340
.	21179	TEC	161	⚲	Richmond	3.000	Computer Applications in Technology	Full Term	TR	01/16-05/11	05:00 pm-06:55 pm	23	0	23	Lisa M Oakes (P)	WHALN 340
	23313	TEC	161	⚲	Richmond	3.000	Computer Applications in Technology	Full Term	MW	01/16-05/11	04:40 pm-06:35 pm	23	0	23	Justin Derrick Goldstein (P)	WHALN 340

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

INF Informatics

Select	CRN	Subj	Crse	Info ▼	Campus	Cred	Title	Term	Days	Date (MM/DD)	Time	Cap	Enrolled	Remaining	Instructor	Location
	20888	INF	104	⚲	Richmond	3.000	Computer Literacy with Software Applications	Full Term		01/16-05/11	TBA	30	0	30	TBA	WEB
	22098	INF	104	⚲	Richmond	3.000	Computer Literacy with Software Applications	Full Term		01/16-05/11	TBA	30	0	30	TBA	WEB
	22968	INF	104	⚲	Richmond	3.000	Computer Literacy with Software Applications	Full Term		01/16-05/11	TBA	30	0	30	TBA	WEB
	23205	INF	104	⚲	Richmond	3.000	Computer Literacy with Software Applications	Full Term	T	01/16-05/11	06:00 pm-08:45 pm	24	0	24	Wayne Mark Dubbels (P)	WALL 445

AEM Classes being offered in Spring 2024 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

CRN	Subj	Crse	Info	Campus	Cred	Title	Term	Days	Date (MM/DD)	Time	Cap	Enrolled	Remaining	Instructor	Location
20743	AEM	202		Richmond	3.000	Introduction to Quality	Full Term	TR	01/16-05/11	12:30 pm-01:45 pm	22	0	22	Sergio D Sgro (P)	WHALN 340

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

CRN	Subj	Crse	Info	Campus	Cred	Title	Term	Days	Date (MM/DD)	Time	Cap	Enrolled	Remaining	Instructor	Location
23977	AEM	310		Richmond	3.000	Technical Communication	Full Term	TR	01/16-05/11	11:00 am-12:15 pm	20	0	20	Ray E. Richardson (P)	TBA

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

AEM 407 is not being offered in the spring 2024 semester

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

The CIS 410 (Project Management & Practice) is a suitable alternative to AEM 407, in case you need it to graduate this spring or summer semester.

AEM 408

CRN	Subj	Crse	Info ▼	Campus	Cred	Title	Term	Days	Date (MM/DD)	Time	Cap	Enrolled	Remaining	Instructor	Location
20484	AEM	408		Richmond	3.000	Human Resource Development	Full Term	TR	01/16-05/11	12:30 pm-01:45 pm	20	0	20	Michael E. Kennedy (P)	WHALN 341

Pre-req. for AEM 408: Should be taken in the senior year of the program prior to graduation

AEM 352

AEM 352 is not being offered in the spring 2024 semester

Pre-req. for AEM 352: EET 251 (Electricity/Electronics)

Math supporting courses being offered in Spring 2024

MAT 112 <u>or higher</u> for students in the BS (CST) degree or AAS (Technology-CE) who started in Fall 2019 or later. For MAT 112 students need to take MAT 112A and 112B. The MAT 112AP and 112BP may be required if they do not meet the prerequisites for MAT 112A and B.

Pre- or Co-requisites for the MAT112 courses:

MAT 112A Algebra: Polynomials. (1.5)

Prerequisite/ Corequisite: Satisfaction of English and reading academic readiness indicators * and either satisfaction of algebra readiness indicators* or concurrent enrollment in MAT 111A. Students will solve application problems involving linear, quadratic, and power equations and analyze graphs of linear, quadratic, and power functions. Credit will not be awarded to students who have credit for MAT 112. 3 Lec /1 Lab. Gen. Ed. E-2 [QR]. General Education credit will not be awarded until after successful completion of both MAT 112A and MAT 112B.

MAT 112B Algebra: Functions & Matrices. (1.5)

Prerequisite: Prerequisite/Corequisite: MAT 112A (C) and either satisfaction of algebra readiness indicators* or concurrent enrollment in MAT 111B. Students will solve application problems involving matrices, systems of linear equations, series and sequences, logarithmic and exponential equations; and analyze graphs of exponential and logarithmic functions. Credit will not be awarded to students who have credit for MAT 112. 3 Lec /1 Lab. Gen. Ed. E-2 [QR]. General Education credit will not be awarded until after successful completion of both MAT 112A and MAT 112B.

If additional quantitative support is required, take MAT 111A (0.5 credits) along with MAT 112A (1.5 credits) in the first half of the semester, followed by MAT 111B (0.5 credits) along with MAT 112B (1.5 credits) in the second half of the semester. The college advising staff may inform you if this is needed at the time of admission to the program.

Note: Students who need to enroll in MAT 112 or MAT 114 can take the MAT 112/114 Proficiency test to demonstrate if they have the skills to enter either of these classes. Please go over to the EKU Academic Testing Office, *Whitlock Building 340* (859-622-1281, academic.testing@eku.edu) -- https://testing.eku.edu/mat-112114-proficiency-test

For students who started in the BS(NET) degree program and in the AAS(Technology-Computer Electronics) before Fall 2019 the two math classes: MAT 114 or higher and 120 (Trigonometry) are needed.

MAT 114

Prerequisites: Undergraduate level MAT 098 Minimum Grade of C* or Undergraduate level MAT 110 Minimum Grade of C or ACT Math 22 or SAT Mathematics 530 or SAT Math Section Score 530 or MAT 107 Pre-Requisite Test 14 or MAT 112/114 Pre-Requisite TEST 14 or Compass Algebra Domain 050 or Online MAT107PrerequisiteTest 14 or MAT 112/114 Pre-Requisite Test 14 or KyOTE Algebra Domain 14

MAT120

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 Undergraduate level MAT 117 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 201 Minimum Grade of C or Undergraduate level MAT 202 Minimum Grade of C or Undergraduate level MAT 203 Minimum Grade of C or Undergraduate level MAT 211 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 218 Minimum Grade of C or Undergraduate level MAT 219 Minimum Grade of C or Undergraduate level MAT 224 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 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 244

CRN	Subj	Crse	Info ▼	Campus	Cred	Title	Term	Days	Date (MM/DD)	Time	Cap	Enrolled	Remaining	Instructor	Location
20970	MAT	244		Richmond	4.000	Calculus II	Full Term	MWF	01/16-05/11	08:00 am-09:10 am	20	0	20	TBA	WALL 434
22482	MAT	244		Richmond	4.000	Calculus II	Full Term	TR	01/16-05/11	09:30 am-11:10 am	20	0	20	Patrick James Costello (P)	WALL 345
22542	MAT	244L		Richmond	1.000	Calculus II Lab	Full Term	MW	01/16-05/11	10:10 am-11:00 am	7	0	7	TBA	WALL 448
22541	MAT	244L		Richmond	1.000	Calculus II Lab	Full Term	TR	01/16-05/11	03:30 pm-04:20 pm	8	0	8	TBA	WALL 448

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 Spring 2024

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

CRN	Subj	Crse	Info	Campus	Cred	Title	Term	Days	Date (MM/DD)	Time	Cap	Enrolled	Remaining	Instructor	Location
23799	STA	215		Richmond	3.000	Introduction to Statistical Reasoning	Full Term	TR	01/16-05/11	09:30 am-10:45 am	20	0	20	James Dean Johnston (P)	WALL 432
23800	STA	215		Richmond	3.000	Introduction to Statistical Reasoning	Full Term	TR	01/16-05/11	02:00 pm-03:15 pm	20	0	20	James Dean Johnston (P)	WALL 147
20563	STA	215		Richmond	3.000	Introduction to Statistical Reasoning	Full Term	TR	01/16-05/11	11:00 am-12:15 pm	20	0	20	TBA	WALL 448
24078	STA	215		Richmond	3.000	Introduction to Statistical Reasoning	Full Term	TR	01/16-05/11	03:30 pm-04:45 pm	20	0	20	TBA	WALL 348
22483	STA	215		Richmond	3.000	Introduction to Statistical Reasoning	Full Term	MW	01/16-05/11	03:35 pm-04:50 pm	65	0	65	Jeffrey N. Stevens (P)	WALL 149
20362	STA	215		Richmond	3.000	Introduction to Statistical Reasoning	Full Term	TR	01/16-05/11	06:00 pm-07:15 pm	20	0	20	Sheri Ann McGuffin (P)	WALL 149
21823	STA	215		Richmond	3.000	Introduction to Statistical Reasoning	Full Term	MW	01/16-05/11	12:20 pm-01:35 pm	10	0	10	Pamela Sue Worthy (P)	COMBS 219
23801	STA	215		Richmond	3.000	Introduction to Statistical Reasoning	Full Term	MWF	01/16-05/11	10:10 am-11:00 am	20	0	20	Samuel Kakraba (P)	WALL 147
23473	STA	215P		Richmond	1.000	Quantitative Support for STA 215	Full Term	MW	01/16-05/11	02:30 pm-03:20 pm	15	0	15	TBA	WALL 444
23474	STA	215P		Richmond	1.000	Quantitative Support for STA 215	Full Term	TR	01/16-05/11	05:00 pm-05:50 pm	15	0	15	Sheri Ann McGuffin (P)	WALL 445

Prerequisites: (Developmental Math 095 NR and Developmental English 095 NR and Developmental Reading 095 NR) or (Developmental Math 095 DR and Developmental English 095 NR and Developmental Reading 095 NR and Undergraduate level STA 215P Minimum Grade of S) or (Developmental Math 095 NR and Undergraduate level ENG 101R Minimum Grade of C) or (Developmental Math 095 NR and Undergraduate level ENG 095R Minimum Grade of C*) or (Undergraduate level MAT 095C Minimum Grade of C* and Developmental English 095 NR and Developmental Reading 095 NR) or (Undergraduate level MAT 095C Minimum Grade of C* and Undergraduate level ENG 101R Minimum Grade of C) or (Undergraduate level MAT 095C Minimum Grade of C* and Undergraduate level ENG 095R Minimum Grade of C*) or (Developmental Math 095 DR and Undergraduate level ENG 101R Minimum Grade of C and Undergraduate level STA 215P Minimum Grade of S) or (Developmental Math 095 DR and Undergraduate level ENG 095R Minimum Grade of C* and Undergraduate level STA 215P Minimum Grade of S) or (Developmental Math 095 NR and Undergraduate level ENG 101Z Minimum Grade of C) or (Undergraduate level MAT 095C Minimum Grade of C* and Undergraduate level ENG 101Z Minimum Grade of C) or (Developmental Math 095 DR and Undergraduate level ENG 101Z Minimum Grade of C and Undergraduate level STA 215P Minimum Grade of S) or (Developmental Math 095 NR and Undergraduate level ENG 101RZ Minimum Grade of C) or (Undergraduate level MAT 095C Minimum Grade of C* and Undergraduate level ENG 101RZ Minimum Grade of C) or (Developmental Math 095 DR and Undergraduate level ENG 101RZ Minimum Grade of C and Undergraduate level STA 215P Minimum Grade of S)

STA 270

CRN	Subj	Crse	Info	Campus	Cred	Title	Term	Days	Date (MM/DD)	Time	Cap	Enrolled	Remaining	Instructor	Location
21083	STA	270		Richmond	4.000	Applied Statistics	Full Term	MWF	01/16-05/11	10:10 am-11:20 am	20	0	20	Samuel Kakraba (P)	WALL 434
22986	STA	270		Richmond	4.000	Applied Statistics	Full Term	M	01/16-05/11	12:20 pm-01:10 pm	20	0	20	TBA	WALL 149
								TR	01/16-05/11	12:30 pm-01:45 pm				TBA	WALL 149
20560	STA	270L		Richmond	1.000	Applied Statistics I Lab	Full Term	MW	01/16-05/11	01:25 pm-02:15 pm	20	0	20	Samuel Kakraba (P)	WALL 444

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 Spring 2024

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

CRN	Subj	Crse	Info ▼	Campus	Cred	Title	Term	Days	Date (MM/DD)	Time	Cap	Enrolled	Remaining	Instructor	Location
20009	CSC	160	🏆	Richmond	3.000	Introduction to Web Programming	Full Term	TR	01/16-05/11	12:30 pm-01:45 pm	21	0	21	TBA	WALL 452

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

CRN	Subj	Crse	Info ▼	Campus	Cred	Title	Term	Days	Date (MM/DD)	Time	Cap	Enrolled	Remaining	Instructor	Location
21262	CSC	170	🏆	Richmond	3.000	Intro to Game Programming	Full Term	TR	01/16-05/11	11:00 am-12:15 pm	21	0	21	TBA	WALL 452

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

CSC 189 is not being offered in the spring 2024 semester.

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

CSC 190

CRN	Subj	Crse	Info ▼	Campus	Cred	Title	Term	Days	Date (MM/DD)	Time	Cap	Enrolled	Remaining	Instructor	Location
21707	CSC	190		Richmond	3.000	Object- Oriented Programming I	Full Term	TR	01/16-05/11	09:30 am-10:45 am	24	0	24	Cindy Carol Bragg (P)	WALL 445
21706	CSC	190		Richmond	0.000	Obj-Oriented Programming I Lab	Full Term	F	01/16-05/11	09:05 am-11:00 am	24	0	24	Cindy Carol Bragg (P)	WALL 445

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

CRN	Subj	Crse	Info ▼	Campus	Cred	Title	Term	Days	Date (MM/DD)	Time	Cap	Enrolled	Remaining	Instructor	Location
20758	CSC	191		Richmond	3.000	Object-Oriented Programming II	Full Term	TR	01/16-05/11	02:00 pm-03:15 pm	24	0	24	Cindy Carol Bragg (P)	WALL 445
20759	CSC	191		Richmond	0.000	Object-Oriented Prog. II Lab	Full Term	W	01/16-05/11	01:25 pm-03:20 pm	24	0	24	Cindy Carol Bragg (P)	WALL 445
22592	CSC	191		Richmond	0.000	Object-Oriented Prog. II Lab	Full Term	W	01/16-05/11	09:05 am-11:00 am	24	0	24	Cindy Carol Bragg (P)	WALL 445
22609	CSC	191		Richmond	3.000	Object-Oriented Programming II	Full Term	TR	01/16-05/11	12:30 pm-01:45 pm	24	0	24	Cindy Carol Bragg (P)	WALL 445

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

CSC 195

CRN	Subj	Crse	Info ▼	Campus	Cred	Title	Term	Days	Date (MM/DD)	Time	Cap	Enrolled	Remaining	Instructor	Location
21709	CSC	195		Richmond	3.000	Discrete Structures II	Full Term	TR	01/16-05/11	12:30 pm-01:45 pm	24	0	24	Ka-Wing Wong (P)	WALL 449
21710	CSC	195		Richmond	0.000	Intro to Discrete Struct Lab	Full Term	TR	01/16-05/11	11:00 am-12:15 pm	24	0	24	Ka-Wing Wong (P)	WALL 449
21711	CSC	195		Richmond	3.000	Discrete Structures II	Full Term	TR	01/16-05/11	03:30 pm-04:45 pm	24	0	24	Ka-Wing Wong (P)	WALL 449
21712	CSC	195		Richmond	0.000	Intro to Discrete Struct Lab	Full Term	TR	01/16-05/11	02:00 pm-03:15 pm	24	0	24	Ka-Wing Wong (P)	WALL 449

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

CSC 210

CRN	Subj	Crse	Info	Campus	Cred	Title	Term	Days	Date (MM/DD)	Time	Cap	Enrolled	Remaining	Instructor	Location
21713	CSC	210		Richmond	3.000	Data Structures and Programming	Full Term	TR	01/16-05/11	11:00 am-12:15 pm	24	0	24	Lan Kong (P)	WALL 445
22114	CSC	210		Richmond	0.000	Data Structures & Progrmng Lab	Full Term	F	01/16-05/11	01:25 pm-03:20 pm	20	0	20	Lan Kong (P)	WALL 426

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

CSC 101 is not being offered in the spring 2024 semester.

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

CIS 215 is not being offered in the spring 2024 semester.

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 spring 2024 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 spring 2024 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	Course Nu	Hours	CRN	Term	Instructor	Meeting Times	Campus	Status	Instructional Methods
Data Base Management LEC Lecture	CIS …	335	3	22951	Spring 2…	Ted Randles…	S M T W R F S 11:15 AM - 12:30 PM Type: Class Building: Business & Technology Complex Room: 004 Start Date: 01/17/2023 End Date: 05/13/2023	Richmond	30 …	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

CRN	Subj	Crse	Info ▼	Campus	Cred	Title	Term	Days	Date (MM/DD)	Time	Cap	Enrolled	Remaining	Instructor	Location
23597	CIS	370	🎓	Richmond	3.000	Seminar in Computer Information Systems	Full Term	MW	01/16-05/11	09:05 am-10:20 am	30	0	30	Theodore John Randles (P)	BTC 004

Prerequisites: No perquisites. Sophomore or higher.

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

CIS 375 is not being offered in the spring 2024 semester.

CIS 380

CIS 380 is not being offered in the spring 2024 semester.

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)

CRN	Subj	Crse	Info ▼	Campus	Cred	Title	Term	Days	Date (MM/DD)	Time	Cap	Enrolled	Remaining	Instructor	Location
20251	CIS	410	🎓	Richmond	3.000	Project Management and Practice	Full Term	TR	01/16-05/11	03:30 pm-04:45 pm	30	0	30	Stephen Shackelford (P)	BTC 101

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

CRN	Subj	Crse	Info ▼	Campus	Cred	Title	Term	Days	Date (MM/DD)	Time	Cap	Enrolled	Remaining	Instructor	Location
11430	CIS	430	🎓	Richmond	3.000	Business Data Mining	Full Term	TR	08/14-12/02	03:30 pm-04:45 pm	30	10	20	Bakhyt Alipova (P)	WALL 426

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

INF classes:

INF 130

INF 130 is not being offered in the spring 2024 semester

No prerequisites

INF 307

INF 307 is not being offered in the spring 2024 semester

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

CRN	Subj	Crse	Info ▼	Campus	Cred	Title	Term	Days	Date (MM/DD)	Time	Cap	Enrolled	Remaining	Instructor	Location
22969	INF	314	⚲	Richmond	3.000	MS Office & Data Analysis	Full Term		01/16-05/11	TBA	30	0	30	Jill Carnahan-Jarvis (P)	WEB
21763	INF	314	⚲	e-Campus	3.000	MS Office & Data Analysis	2nd 8-wk Term (eCampus)		03/18-05/11	TBA	300	0	300	Cindy Carol Bragg (P)	WEB

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

INF 318 is not being offered in the spring 2024 semester

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

CRN	Subj	Crse	Info ▼	Campus	Cred	Title	Term	Days	Date (MM/DD)	Time	Cap	Enrolled	Remaining	Instructor	Location
21817	INF	321	⚲	Richmond	3.000	Computer Forensics	Full Term	W	01/16-05/11	06:00 pm-08:45 pm	20	0	20	Jonathan E Long (P)	WALL 430

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

CRN	Subj	Crse	Info	Campus	Cred	Title	Term	Days	Date (MM/DD)	Time	Cap	Enrolled	Remaining	Instructor	Location
20848	INF	322		Richmond	3.000	Computer Forensics II	Full Term	T	01/16-05/11	06:00 pm-08:45 pm	20	0	20	Kimberly J Bradley (P), Jeffrey Allan Rogers	MEMRS 270

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)

INF 513

CRN	Subj	Crse	Info	Campus	Cred	Title	Term	Days	Date (MM/DD)	Time	Cap	Enrolled	Remaining	Instructor	Location
22024	INF	513		e-Campus	3.000	Online Game and Application Design	1st 8-wk Term (eCampus)		01/16-03/08	TBA	300	0	300	Michael A Hartman (P)	WEB

Prerequisites: Senior

INF 515

CRN	Subj	Crse	Info	Campus	Cred	Title	Term	Days	Date (MM/DD)	Time	Cap	Enrolled	Remaining	Instructor	Location
22121	INF	515		e-Campus	3.000	Special Topics in Gaming	2nd 8-wk Term (eCampus)		03/18-05/11	TBA	300	0	300	Michael A Hartman (P)	WEB

Prerequisites: None

Physics supporting courses being offered in spring 2024

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

CRN	Subj	Crse	Info ▼	Campus	Cred	Title	Term	Days	Date (MM/DD)	Time	Cap	Enrolled	Remaining	Instructor	Location
21700	PHY	101	☿	Richmond	3.000	Conceptual Physics	Full Term		01/16-05/11	TBA	50	0	50	Stephanie Lynn Harmon (P), Alan Carroll Ewing	WEB

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

CRN	Subj	Crse	Info ▼	Campus	Cred	Title	Term	Days	Date (MM/DD)	Time	Cap	Enrolled	Remaining	Instructor	Location
20542	PHY	131	⚲	Richmond	5.000	College Physics I	Full Term	MWF	01/16-05/11	08:00 am-09:55 am	25	0	25	Alan Carroll Ewing (P)	SCIBD 3122
21187	PHY	131	⚲	Richmond	5.000	College Physics I	Full Term	MWF	01/16-05/11	10:10 am-12:05 pm	40	0	40	Thomas William Jarvis (P), Garett Wade Yoder	SCIBD 3122

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

CRN	Subj	Crse	Info ▼	Campus	Cred	Title	Term	Days	Date (MM/DD)	Time	Cap	Enrolled	Remaining	Instructor	Location
20713	PHY	201	⚲	Richmond	5.000	University Physics I	Full Term	MWF	01/16-05/11	10:10 am-12:05 pm	25	0	25	Mark A. Pitts (P)	SCIBD 3126

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 Spring 2024

Economics classes requirement for BS (NET) and AAS (Tech-CE): ECO 120 or higher in Gen Ed.

CRN	Subj	Crse	Info	Campus	Cred	Title	Term	Days	Date (MM/DD)	Time	Cap	Enrolled	Remaining	Instructor	Location
21513	ECO	120		Richmond	3.000	Economic Reasoning and Issues	Full Term		01/16-05/11	TBA	40	0	40	Cynthia L. Harter (P)	WEB
21858	ECO	120		Richmond	3.000	Economic Reasoning and Issues	Full Term	TR	01/16-05/11	11:00 am-12:15 pm	30	0	30	Jeongwoo Kim (P)	TBA

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

CRN	Subj	Crse	Info	Campus	Cred	Title	Term	Days	Date (MM/DD)	Time	Cap	Enrolled	Remaining	Instructor	Location
22703	ECO	230	⏹	Richmond	3.000	Fundamentals of Microeconomics	Full Term	TR	01/16-05/11	08:00 am-09:15 am	42	0	42	John F. R. Harter (P)	BTC 001
22704	ECO	230	⏹	Richmond	3.000	Fundamentals of Microeconomics	Full Term	TR	01/16-05/11	09:30 am-10:45 am	42	0	42	John F. R. Harter (P)	BTC 001
22705	ECO	230	⏹	Richmond	3.000	Fundamentals of Microeconomics	Full Term	MW	01/16-05/11	09:05 am-10:20 am	42	0	42	Robert Grant Houston (P)	BTC 001
23191	ECO	230	⏹	Richmond	3.000	Fundamentals of Microeconomics	Full Term	MW	01/16-05/11	11:15 am-12:30 pm	42	0	42	Robert Grant Houston (P)	BTC 001

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

CRN	Subj	Crse	Info ▼	Campus	Cred	Title	Term	Days	Date (MM/DD)	Time	Cap	Enrolled	Remaining	Instructor	Location
21198	ECO	231	⬤	Richmond	3.000	Fundamentals of Macroeconomics	Full Term	MW	01/16-05/11	01:25 pm-02:40 pm	40	0	40	Fatima Hasan (P)	BTC 132
20236	ECO	231	⬤	Richmond	3.000	Fundamentals of Macroeconomics	Full Term	TR	01/16-05/11	11:00 am-12:15 pm	40	0	40	Fatima Hasan (P)	BTC 001
22248	ECO	231	⬤	Richmond	3.000	Fundamentals of Macroeconomics	Full Term	MW	01/16-05/11	01:25 pm-02:40 pm	42	0	42	Robert Grant Houston (P)	BTC 001
23599	ECO	231	⬤	Richmond	3.000	Fundamentals of Macroeconomics	Full Term	M	01/16-05/11	06:00 pm-09:00 pm	35	0	35	Christopher M. Phillips (P)	BTC 106

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 Spring 2024

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

CIS 335 is not being offered in the spring 2024 semester.

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

CRN	Subj	Crse	Info	Campus	Cred	Title	Term	Days	Date (MM/DD)	Time	Cap	Enrolled	Remaining	Instructor	Location
23597	CIS	370		Richmond	3.000	Seminar in Computer Information Systems	Full Term	MW	01/16-05/11	09:05 am-10:20 am	30	0	30	Theodore John Randles (P)	BTC 004

Prerequisites: No perquisites. Sophomore or higher.

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

CIS 375 is not being offered in the spring 2024 semester.

CIS 380

CIS 380 is not being offered in the spring 2024 semester.

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)

CRN	Subj	Crse	Info ▼	Campus	Cred	Title	Term	Days	Date (MM/DD)	Time	Cap	Enrolled	Remaining	Instructor	Location
20251	CIS	410		Richmond	3.000	Project Management and Practice	Full Term	TR	01/16-05/11	03:30 pm-04:45 pm	30	0	30	Stephen Shackelford (P)	BTC 101

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

CIS 430 is not being offered in the spring 2024 semester.

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

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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

CRN	Subj	Crse	Info ▼	Campus	Cred	Title	Term	Days	Date (MM/DD)	Time	Cap	Enrolled	Remaining	Instructor	Location
20596	MKT	301		Richmond	3.000	Principles of Marketing (NB)	Full Term	T	01/16-05/11	06:00 pm-08:45 pm	100	0	100	Heather Nicole Damron (P)	BTC 049

(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

CRN	Subj	Crse	Info ▼	Campus	Cred	Title	Term	Days	Date (MM/DD)	Time	Cap	Enrolled	Remaining	Instructor	Location
23625	MGT	301		Richmond	3.000	Principles of Management (NB)	1st 8-wk Term		01/16-03/08	TBA	100	0	100	Beth Marie Polin Finley (P)	WEB

(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

CRN	Subj	Crse	Info ▼	Campus	Cred	Title	Term	Days	Date (MM/DD)	Time	Cap	Enrolled	Remaining	Instructor	Location
20838	RMI	370		Richmond	3.000	Principles of Risk and Insurance	Full Term	MW	01/16-05/11	09:05 am-10:20 am	35	0	35	Juan Zhang (P)	BTC 105

(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

CRN	Subj	Crse	Info ▼	Campus	Cred	Title	Term	Days	Date (MM/DD)	Time	Cap	Enrolled	Remaining	Instructor	Location
23613	RMI	378		Richmond	3.000	Risk Management	Full Term	MW	01/16-05/11	11:15 am-12:30 pm	40	0	40	Juan Zhang (P)	BTC 179

(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)

CRN	Subj	Crse	Info ▼	Campus	Cred	Title	Term	Days	Date (MM/DD)	Time	Cap	Enrolled	Remaining	Instructor	Location
23472	SCO	100	🛈	Richmond	1.000	Student Success Seminar	Full Term No Withdraw	M	01/16-05/11	03:35 pm-04:25 pm	25	0	25	Sarah Lennon Adams (P)	SCIBD 4125

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 may be waived for Juniors and Seniors in the spring 2024 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**
  https://catalogs.eku.edu/undergraduate/science-technology-engineering-mathematics/computer-science-information-technology/informatics-minor/

Required Courses		
INF 104	Computer Literacy with Software Applications	3
or CIS 212	Introduction to Computer Information Systems	
INF 314	MS Office & Data Analysis	3
INF 123	Exploring Virtual Worlds	3
or INF 307	Cyberspace Security and Ethics	
Choose from one of the following:		3-4
STA 215	Introduction to Statistical Reasoning	
STA 270	Applied Statistics [1]	
Choose from six hours of the following:		6

[1]
      May include MAT 112A Algebra: Polynomials/MAT 112B Algebra: Functions & Matrices or higher as a prerequisite

INF 105	Software Application Topics	
INF 120	Introduction to Multimedia	
INF 130	3D Printing	
INF 301	Current Topics in Informatics:___	
INF 318	Mobile Device Security & Privacy	
INF 321	Computer Forensics	
INF 330	2D Animation	
INF 495	Independent Work	
CSC 101	The World of Code	
CSC 140	Introduction to Computer Game Design	
CSC 160	Introduction to Web Programming	
CSC 170	Intro to Game Programming	
CSC 174	Introduction to Programming for Science & Engineering	
CSC 177	Introduction to Visual Basic	
CSC 178	Introduction to ___	
CSC 190	Object- Oriented Programming I [1]	
CIS 215	Introduction to Business Programming	
CIS 320	Forensic Computing: Investigations	
CIS 325	Forensic Computing: Acquisitions	
HSA 370	Health Information Management Systems I	
STA 340	Applied Regression Analysis	
STA 580	R and Introductory Data Mining	
INF 123	Exploring Virtual Worlds (if not used above)	
INF 307	Cyberspace Security and Ethics (if not used above)	
Total Hours		16-18

- Informatics area leading to a **CSIT Department Certificate in Informatics**
  https://catalogs.eku.edu/undergraduate/science-technology-engineering-mathematics/computer-science-information-technology/informatics-certificate/

Certificate Requirements		
INF 104 or CIS 212	Computer Literacy with Software Applications Introduction to Computer Information Systems	3
INF 307	Cyberspace Security and Ethics	3
INF 314	MS Office & Data Analysis	3
Choose from three hours of the following:		3
INF 105	Software Application Topics	
INF 120	Introduction to Multimedia	
INF 123	Exploring Virtual Worlds	
INF 130	3D Printing	
INF 301	Current Topics in Informatics:___	
INF 318	Mobile Device Security & Privacy	
INF 330	2D Animation	
CSC 140	Introduction to Computer Game Design	
CSC 160	Introduction to Web Programming	
CSC 170	Intro to Game Programming	
CIS 420	Forensic Computing: Network Analysis [1]	
INF 510	[1]	
Total Hours		**12**

[1] Bachelor in General Studies students who are also seeking the professional Certificate in Informatics must take CIS 420 Forensic Computing: Network Analysis INF 510 .

Minor in Cybersecurity and Intelligence

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

Required Courses		
HLS 401	Intelligence Process	3
HLS 402	Counterintelligence	3
HLS 403	Intelligence Analysis	3
INF 321	Computer Forensics	3
INF 322	Computer Forensics II	3
Choose from two of the following:		6
CIS 320	Forensic Computing: Investigations	
CIS 325	Forensic Computing: Acquisitions	
CSC 332	Digital Storage Device Forensics	
CSC 520	Multimedia System and Forensics	
CSC 542	Internet Forensics	
CSC 548	Personal Electronic Device Forensics	
INF 307	Cyberspace Security and Ethics	
INF 314	MS Office & Data Analysis	
INF 318	Mobile Device Security & Privacy	
NET 354	Microcomputer & Network Security	
NET 454	Wireless/WAN Security	
Total Hours		21

- **Minor in Computer Science**

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

Code	Title	Hours
Required Courses		
CSC 185	Discrete Structures I	3
CSC 190	Object- Oriented Programming I	3
CSC 191	Object-Oriented Programming II	3
CSC 195	Discrete Structures II	3
CSC 310	Data Structures	3
CSC 313	Database Systems	3
CSC 340	Ethics & Software Engineering	3
Total Hours		**21**

Course List

Selected INF courses required in Informatics Minor or Certificate:

INF 104

CRN	Subj	Crse	Info	Campus	Cred	Title	Term	Days	Date (MM/DD)	Time	Cap	Enrolled	Remaining	Instructor	Location
20888	INF	104		Richmond	3.000	Computer Literacy with Software Applications	Full Term		01/16-05/11	TBA	30	0	30	TBA	WEB
22098	INF	104		Richmond	3.000	Computer Literacy with Software Applications	Full Term		01/16-05/11	TBA	30	0	30	TBA	WEB
22968	INF	104		Richmond	3.000	Computer Literacy with Software Applications	Full Term		01/16-05/11	TBA	30	0	30	TBA	WEB
23205	INF	104		Richmond	3.000	Computer Literacy with Software Applications	Full Term	T	01/16-05/11	06:00 pm-08:45 pm	24	0	24	Wayne Mark Dubbels (P)	WALL 445

Prerequisites: None

INF 307

INF 307 is not being offered in the spring 2024 semester

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

CRN	Subj	Crse	Info	Campus	Cred	Title	Term	Days	Date (MM/DD)	Time	Cap	Enrolled	Remaining	Instructor	Location
22969	INF	314		Richmond	3.000	MS Office & Data Analysis	Full Term		01/16-05/11	TBA	30	0	30	Jill Carnahan-Jarvis (P)	WEB
21763	INF	314		e-Campus	3.000	MS Office & Data Analysis	2nd 8-wk Term (eCampus)		03/18-05/11	TBA	300	0	300	Cindy Carol Bragg (P)	WEB

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 321

CRN	Subj	Crse	Info	Campus	Cred	Title	Term	Days	Date (MM/DD)	Time	Cap	Enrolled	Remaining	Instructor	Location
21817	INF	321		Richmond	3.000	Computer Forensics	Full Term	W	01/16-05/11	06:00 pm-08:45 pm	20	0	20	Jonathan E Long (P)	WALL 430

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

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)

   Refer to page 15 of this document for information regarding applying for co-op

- NET 395 (Special Topics in NET), which may be taken up to 3 times provided the topic is different – in the spring it will be covering *IT-AV Project Mgt.)*

CRN	Subj	Crse	Info ▼	Campus	Cred	Title	Term	Days	Date (MM/DD)	Time	Cap	Enrolled	Remaining	Instructor	Location
21277	NET	395		Richmond	3.000	IT-AV Project Mgt.	Full Term	MW	01/16-05/11	02:30 pm-04:25 pm	18	0	18	Justin Derrick Goldstein (P)	WHALN 408

Prerequisites: Undergraduate level EET 252 Minimum Grade of D or Undergraduate level NET 303 Minimum Grade of D

- **INF 130**

    INF 130 is not being offered in the spring 2024 semester

    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**

    INF 318 is not being offered in the spring 2024 semester

    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**

CRN	Subj	Crse	Info ▼	Campus	Cred	Title	Term	Days	Date (MM/DD)	Time	Cap	Enrolled	Remaining	Instructor	Location
20848	INF	322		Richmond	3.000	Computer Forensics II	Full Term	T	01/16-05/11	06:00 pm-08:45 pm	20	0	20	Kimberly J Bradley (P), Jeffrey Allan Rogers	MEMRS 270

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

- **HLS 401**

CRN	Subj	Crse	Info ▼	Campus	Cred	Title	Term	Days	Date (MM/DD)	Time	Cap	Enrolled	Remaining	Instructor	Location
20301	HLS	401		Richmond	3.000	Intelligence Process	Full Term	TR	01/16-05/11	12:30 pm-01:45 pm	30	0	30	Brian K Simpkins (P)	STRAT 202

Prerequisites: none

- **HLS 402**

CRN	Subj	Crse	Info ▼	Campus	Cred	Title	Term	Days	Date (MM/DD)	Time	Cap	Enrolled	Remaining	Instructor	Location
21078	HLS	402		Richmond	3.000	Counterintelligence	Full Term	W	01/16-05/11	06:00 pm-08:45 pm	25	0	25	William J. Sullivan (P)	STRAT 202

Prerequisites: none

- **HLS 403**

CRN	Subj	Crse	Info	Campus	Cred	Title	Term	Days	Date (MM/DD)	Time	Cap	Enrolled	Remaining	Instructor	Location
22937	HLS	403		e-Campus	3.000	Intelligence Analysis	2nd 8-wk Term (eCampus)		03/18-05/11	TBA	75	0	75	Christopher L Eddy (P)	WEB

Prerequisites: none

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

CRN	Subj	Crse	Info	Campus	Cred	Title	Term	Days	Date (MM/DD)	Time	Cap	Enrolled	Remaining	Instructor	Location
21035	AEM	195		Richmond	3.000	Computer Aided Drafting	Full Term	MW	01/16-05/11	10:10 am-12:05 pm	20	0	20	Ni Wang (P)	WHALN 340
21261	AEM	195		e-Campus	3.000	Computer Aided Drafting	2nd 8-wk Term (eCampus)		03/18-05/11	TBA	200	0	200	TBA	WEB

Prerequisites: none

Other Minors to consider:

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

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

- **Minor in Game Content Design:** https://catalogs.eku.edu/undergraduate/science-technology-engineering-mathematics/computer-science-information-technology/game-content-design-minor/

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

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

- **List of all minors at EKU:** https://catalogs.eku.edu/search/?search=minors

- **List of all university certificates at EKU:** https://catalogs.eku.edu/search/?search=university+certificate

Cyber Systems Tech Security (formerly Network Security Management (NSM)) concentration graduate course requirements being offered in spring 2024 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 Network Security Mgt

Select	CRN	Subj	Crse	Info ▼	Campus	Cred	Title	Term	Days	Date (MM/DD)	Time	Cap	Enrolled	Remaining	Instructor	Location
	21134	NSM	845	⏚	Richmond	3.000	Advanced Server Security	Full Term	T	01/16-05/11	05:00 pm-08:45 pm	12	0	12	Rendong Bai (P)	WALL 430
	23039	NSM	845	⏚	Richmond	3.000	Advanced Server Security	Full Term	T	01/16-05/11	05:00 pm-08:45 pm	10	0	10	Rendong Bai (P)	WEB

NSM 815 (Foundations of Network Security) and NSM 895 (Special Topics in NSM) are scheduled to be offered in the fall 2024 semester.

AEM 801

CRN	Subj	Crse	Info ▼	Campus	Cred	Title	Term	Days	Date (MM/DD)	Time	Cap	Enrolled	Remaining	Instructor	Location
20741	AEM	801	⏚	Richmond	3.000	Economics for Lean Operations	1st 8-wk Term	M	01/16-03/08	09:05 am-09:55 am	5	0	5	TBA	WHALN 306
									01/16-03/08	TBA				TBA	WEB
20576	AEM	801	⏚	Richmond	3.000	Economics for Lean Operations	1st 8-wk Term		01/16-03/08	TBA	10	0	10	TBA	WEB

AEM 820 & 821

CRN	Subj	Crse	Info ▼	Campus	Cred	Title	Term	Days	Date (MM/DD)	Time	Cap	Enrolled	Remaining	Instructor	Location
20597	AEM	820	⏚	Richmond	3.000	Industrial Technology Proposal	Variable		01/16-05/11	TBA	10	0	10	Michael E. Kennedy (P)	TBA
20598	AEM	821	⏚	Richmond	3.000	Industrial Technology Project	Variable		01/16-05/11	TBA	10	0	10	Michael E. Kennedy (P)	TBA
21570	AEM	821	⏚	Richmond	3.000	Industrial Technology Project	Variable		01/16-05/11	TBA	10	0	10	Michael E. Kennedy (P)	WEB

TEC 830

TEC 830 is not being offered in the spring 2024 semester and is regularly offered in the summer 12-week semester.

GRD 868B

CRN	Subj	Crse	Info ▼	Campus	Cred	Title	Term	Days	Date (MM/DD)	Time	Cap	Enrolled	Remaining	Instructor	Location
24099	GRD	868B	⏚	Richmond	0.000	MS Ind Tech Oral Comp Exam	Extended Registration		01/16-05/11	TBA	20	0	20	Michael E. Kennedy (P)	TBA

Summer 2024

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), 367C (Exit exam for Certificate), and 467 (Exit exam for BS)

CRN	Subj	Crse	Info ▼	Campus	Cred	Title	Term	Days	Date (MM/DD)	Time	Cap	Enrolled	Remaining	Instructor	Location
50209	NET	349	⏾	Richmond	0.500-8.000	Applied Learning in NET	Advertised (No Reg Allowed)		05/20-08/09	TBA	0	0	0	Vigyan Jackson Chandra (P)	TBA
50245	NET	367A	⏾	Richmond	0.000	Exit Exam/Tech Computer Elect	Extended Registration		05/20-08/09	TBA	15	0	15	Vigyan Jackson Chandra (P)	TBA
50246	NET	367B	⏾	Richmond	0.000	Exit Exam/Minor Comp Elect Tec	Extended Registration		05/20-08/09	TBA	15	0	15	Vigyan Jackson Chandra (P)	TBA
50849	NET	367C	⏾	Richmond	0.000	Exit Exam for University Certificate in Cyber Systems and Network Security	Extended Registration		05/20-08/09	TBA	8	0	8	Vigyan Jackson Chandra (P)	TBA
50247	NET	467	⏾	Richmond	0.000	Exit Exam/BS NET	Extended Registration		05/20-08/09	TBA	15	0	15	Vigyan Jackson Chandra (P)	TBA

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 2024.

CRN	Subj	Crse	Info ▼	Campus	Cred	Title	Term	Days	Date (MM/DD)	Time	Cap	Enrolled	Remaining	Instructor	Location
50119	AEM	804	⏾	Richmond	3.000	Project Management	1st 6-wk Term		05/20-06/28	TBA	12	0	12	TBA	WEB
50597	AEM	804	⏾	Richmond	3.000	Project Management	1st 6-wk Term	05/20-06/28	TBA		10	0	10	TBA	TBA

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 830 (Creative Problem Solving).

Refer to the specific **MS Degree courses in Technology Management with concentration in Cyber Systems Tech Security** requirements given on page 8 of this document.

AEM 801, 804, 820, 821

CRN	Subj	Crse	Info ▼	Campus	Cred	Title	Term	Days	Date (MM/DD)	Time	Cap	Enrolled	Remaining	Instructor	Location
50119	AEM	804		Richmond	3.000	Project Management	1st 6-wk Term		05/20-06/28	TBA	12	0	12	TBA	WEB
50597	AEM	804		Richmond	3.000	Project Management	1st 6-wk Term	05/20-06/28	TBA		10	0	10	TBA	TBA
50120	AEM	820		Richmond	3.000	Industrial Tech Proposal	Variable		05/20-08/09	TBA	5	0	5	TBA	TBA
50121	AEM	821		Richmond	3.000	Industrial Technology Project	Variable		05/20-08/09	TBA	6	0	6	TBA	TBA

TEC 830

CRN	Subj	Crse	Info ▼	Campus	Cred	Title	Term	Days	Date (MM/DD)	Time	Cap	Enrolled	Remaining	Instructor	Location
50229	TEC	830		Richmond	3.000	Creative Problem Solving	Full Term		05/20-08/09	TBA	15	0	15	Ray E. Richardson (P)	WEB

GRD 868B

CRN	Subj	Crse	Info ▼	Campus	Cred	Title	Term	Days	Date (MM/DD)	Time	Cap	Enrolled	Remaining	Instructor	Location
50883	GRD	868B		Richmond	0.000	MS Ind Tech Oral Comp Exam	Extended Registration		05/20-08/09	TBA	20	0	20	Michael E. Kennedy (P)	TBA

0-credit hour, MS Ind Tech Oral Comp Exam course, supervised by Dr. Michael Kennedy, will be available for summer 2024 registration for MS (TM-CSTS) students graduating in summer 2024.

Summer 2024

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)

CRN	Subj	Crse	Info ▼	Campus	Cred	Title	Term	Days	Date (MM/DD)	Time	Cap	Enrolled	Remaining	Instructor	Location
50341	MAT	112A		Richmond	1.500	Algebra: Polynomials	1st 6-wk Term		05/20-06/28	TBA	25	0	25	TBA	WEB
50342	MAT	112B		Richmond	1.500	Algebra: Functions & Matrices	2nd 6-wk Term		07/01-08/09	TBA	25	0	25	TBA	WEB

MAT 114 (College Algebra)

CRN	Subj	Crse	Info ▼	Campus	Cred	Title	Term	Days	Date (MM/DD)	Time	Cap	Enrolled	Remaining	Instructor	Location
50705	MAT	114		Richmond	3.000	College Algebra	1st 6-wk Term		05/20-06/28	TBA	20	0	20	TBA	WEB

MAT 120 (Trig):

CRN	Subj	Crse	Info ▼	Campus	Cred	Title	Term	Days	Date (MM/DD)	Time	Cap	Enrolled	Remaining	Instructor	Location
50235	MAT	120		Richmond	3.000	Trigonometry	1st 6-wk Term		05/20-06/28	TBA	20	0	20	TBA	WEB

MAT234 (Cal I)

CRN	Subj	Crse	Info ▼	Campus	Cred	Title	Term	Days	Date (MM/DD)	Time	Cap	Enrolled	Remaining	Instructor	Location
50553	MAT	234		Richmond	4.000	Calculus I	2nd 8-wk Term		06/17-08/09	TBA	20	0	20	TBA	WEB

STA 215 or STA 270 (4)

CRN	Subj	Crse	Info ▼	Campus	Cred	Title	Term	Days	Date (MM/DD)	Time	Cap	Enrolled	Remaining	Instructor	Location
50091	STA	215		e-Campus	3.000	Introduction to Statistical Reasoning	1st 8-wk Term (eCampus)		05/20-07/12	TBA	65	0	65	TBA	WEB
50320	STA	215P		e-Campus	1.000	Quantitative Support for STA 215	1st 8-wk Term (eCampus)		05/20-07/12	TBA	65	0	65	TBA	WEB

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

CRN	Subj	Crse	Info ▼	Campus	Cred	Title	Term	Days	Date (MM/DD)	Time	Cap	Enrolled	Remaining	Instructor	Location
50741	PHY	101		Richmond	3.000	Conceptual Physics	1st 6-wk Term		05/20-06/28	TBA	30	0	30	Mark A. Pitts (P)	WEB

CRN	Subj	Crse	Info ▼	Campus	Cred	Title	Term	Days	Date (MM/DD)	Time	Cap	Enrolled	Remaining	Instructor	Location
50089	PHY	131		Richmond	5.000	College Physics I	1st 6-wk Term	MTWRF	05/20-06/28	08:30 am-11:30 am	40	0	40	Garett Wade Yoder (P)	SCIBD 3122

ECO 120, **or 230 or ECO 231**

CRN	Subj	Crse	Info ▼	Campus	Cred	Title	Term	Days	Date (MM/DD)	Time	Cap	Enrolled	Remaining	Instructor	Location
50298	ECO	230		e-Campus	3.000	Fundamentals of Microeconomics	1st 8-wk Term (eCampus)		05/20-07/12	TBA	200	0	200	John F. R. Harter (P)	WEB
50668	ECO	230		e-Campus	3.000	Fundamentals of Microeconomics	2nd 8-wk Term (eCampus)		06/17-08/09	TBA	200	0	200	Robert Grant Houston (P)	WEB

CRN	Subj	Crse	Info ▼	Campus	Cred	Title	Term	Days	Date (MM/DD)	Time	Cap	Enrolled	Remaining	Instructor	Location
50837	ECO	231		Richmond	3.000	Fundamentals of Macroeconomics	2nd 8-wk Term		06/17-08/09	TBA	30	0	30	Robert Grant Houston (P)	WEB
50299	ECO	231		e-Campus	3.000	Fundamentals of Macroeconomics	1st 8-wk Term (eCampus)		05/20-07/12	TBA	100	0	100	Cynthia L. Harter (P)	WEB

Summer 2024

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)

CRN	Subj	Crse	Info ▼	Campus	Cred	Title	Term	Days	Date (MM/DD)	Time	Cap	Enrolled	Remaining	Instructor	Location
50432	INF	104	🏛	e-Campus	3.000	Computer Literacy with Software Applications	1st 8-wk Term (eCampus)		05/20-07/12	TBA	300	0	300	Cindy Carol Bragg (P)	WEB
50594	INF	307	🏛	Richmond	3.000	Cyberspace Security and Ethics	2nd 8-wk Term		06/17-08/09	TBA	24	0	24	Thomas Denton Kay (P)	WEB
50744	INF	314	🏛	Richmond	3.000	MS Office & Data Analysis	1st 6-wk Term		05/20-06/28	TBA	30	0	30	Shuangteng Zhang (P)	WEB
50304	INF	318	🏛	Richmond	3.000	Mobile Device Security & Privacy	1st 6-wk Term		05/20-06/28	TBA	30	0	30	Shuangteng Zhang (P)	WEB

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 2024. Pre-requisite for this is upper division standing (60 hours or more)

MGT 301

CRN	Subj	Crse	Info ▼	Campus	Cred	Title	Term	Days	Date (MM/DD)	Time	Cap	Enrolled	Remaining	Instructor	Location
50026	MGT	301	🏛	e-Campus	3.000	Principles of Management (NB)	1st 8-wk Term (eCampus)		05/20-07/12	TBA	100	0	100	Kambiz Tabibzadeh (P)	WEB

MKT 301

CRN	Subj	Crse	Info ▼	Campus	Cred	Title	Term	Days	Date (MM/DD)	Time	Cap	Enrolled	Remaining	Instructor	Location
50176	MKT	301	🏛	e-Campus	3.000	Principles of Marketing (NB)	2nd 8-wk Term (eCampus)		06/17-08/09	TBA	100	0	100	Weiling Zhuang (P)	WEB

RMI 370

CRN	Subj	Crse	Info ▼	Campus	Cred	Title	Term	Days	Date (MM/DD)	Time	Cap	Enrolled	Remaining	Instructor	Location
50177	RMI	370	🏛	e-Campus	3.000	Principles of Risk and Insurance	1st 8-wk Term (eCampus)		05/20-07/12	TBA	50	0	50	Siwei Gao (P)	WEB

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

CRN	Subj	Crse	Info	Campus	Cred	Title	Term	Days	Date (MM/DD)	Time	Cap	Enrolled	Remaining	Instructor	Location
50438	CHE	101		e-Campus	3.000	Introductory Chemistry	1st 8-wk Term (eCampus)		05/20-07/12	TBA	200	0	200	Shabnam Haghishahir (P)	WEB
50439	CHE	101L		e-Campus	1.000	Introductory Chemistry Lab	1st 8-wk Term (eCampus)		05/20-07/12	TBA	200	0	200	Shabnam Haghishahir (P)	WEB

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

CRN	Subj	Crse	Info	Campus	Cred	Title	Term	Days	Date (MM/DD)	Time	Cap	Enrolled	Remaining	Instructor	Location
50005	CHE	111		Richmond	3.000	General Chemistry	1st 6-wk Term	MTWR	05/20-06/28	08:00 am-09:40 am	24	0	24	Jerome Gerard May (P)	SCIBD 4125
50031	CHE	111L		Richmond	1.000	General Chemistry Lab I	1st 6-wk Term	MW	05/20-06/28	10:00 am-12:45 pm	24	0	24	Jerome Gerard May (P)	SCIBD 4118

CHE 105 & 105L

CRN	Subj	Crse	Info	Campus	Cred	Title	Term	Days	Date (MM/DD)	Time	Cap	Enrolled	Remaining	Instructor	Location
50731	CHE	105		Richmond	3.000	Chemistry for the Health Sciences	1st 8-wk Term		05/20-07/12	TBA	20	0	20	Margaret Wambui Ndinguri (P)	WEB
50732	CHE	105L		Richmond	1.000	Health Science Chemistry Lab	1st 8-wk Term		05/20-07/12	TBA	20	0	20	Margaret Wambui Ndinguri (P)	WEB

ANT 201

CRN	Subj	Crse	Info	Campus	Cred	Title	Term	Days	Date (MM/DD)	Time	Cap	Enrolled	Remaining	Instructor	Location
50719	ANT	201		Richmond	3.000	Introduction to Biological Anthropology	1st 6-wk Term		05/20-06/28	TBA	25	0	25	Kristena Elise Cooksey (P)	WEB
50742	ANT	201		Richmond	3.000	Introduction to Biological Anthropology	2nd 6-wk Term		07/01-08/09	TBA	25	0	25	Kristena Elise Cooksey (P)	WEB

AST 135

CRN	Subj	Crse	Info	Campus	Cred	Title	Term	Days	Date (MM/DD)	Time	Cap	Enrolled	Remaining	Instructor	Location
50251	AST	135		Richmond	3.000	Introductory Astronomy	1st 6-wk Term		05/20-06/28	TBA	24	0	24	Stephanie Lynn Harmon (P)	WEB

BIO 111 or 112

CRN	Subj	Crse	Info	Campus	Cred	Title	Term	Days	Date (MM/DD)	Time	Cap	Enrolled	Remaining	Instructor	Location
50750	BIO	111		Richmond	4.000	Cell and Molecular Biology	1st 8-wk Term		05/20-07/12	TBA	24	0	24	Marcia M. Pierce (P)	WEB
50751	BIO	111		Richmond	0.000	Cell and Molecular Biology Lab	1st 8-wk Term	MW	05/20-07/12	10:00 am-11:55 am	24	0	24	Barbara Elaine Davis (P)	SCIBD 3202
50689	BIO	112		Richmond	4.000	Ecology and Evolution	2nd 8-wk Term		06/17-08/09	TBA	24	0	24	Cy Mott (P)	WEB
50690	BIO	112		Richmond	0.000	Ecology and Evolution Lab	2nd 8-wk Term	TR	06/17-08/09	10:00 am-11:55 am	24	0	24	Cy Mott (P)	SCIBD 3206

GEO 110 or 210

CRN	Subj	Crse	Info	Campus	Cred	Title	Term	Days	Date (MM/DD)	Time	Cap	Enrolled	Remaining	Instructor	Location
50414	GEO	110		Richmond	3.000	Environmental Geography	2nd 6-wk Term		07/01-08/09	TBA	30	0	30	Sung Bae Jeon (P)	WEB
50243	GEO	210		Richmond	3.000	Introduction to Physical Geography	1st 6-wk Term		05/20-06/28	TBA	30	0	30	Donald M. Yow (P)	WEB
50830	GEO	210		Richmond	3.000	Introduction to Physical Geography	Full Term		05/20-08/09	TBA	30	0	30	Donald M. Yow (P)	WEB
50036	GEO	210		e-Campus	3.000	Introduction to Physical Geography	1st 8-wk Term (eCampus)		05/20-07/12	TBA	60	0	60	Glenn Andrew Campbell (P)	WEB

GLY 108 or 109

CRN	Subj	Crse	Info	Campus	Cred	Title	Term	Days	Date (MM/DD)	Time	Cap	Enrolled	Remaining	Instructor	Location
50211	GLY	108		Richmond	3.000	Earthquakes and Volcanoes	1st 6-wk Term		05/20-06/28	TBA	30	0	30	Estifanos Haile (P)	WEB
50322	GLY	108		Richmond	3.000	Earthquakes and Volcanoes	2nd 6-wk Term		07/01-08/09	TBA	30	0	30	John C. White (P)	WEB
50733	GLY	109		Richmond	3.000	Great Moments in Earth History	2nd 6-wk Term		07/01-08/09	TBA	30	0	30	Estifanos Haile (P)	WEB

Major/Supporting courses for BS (CST/NET)

CRN	Subj	Crse	Info ▼	Campus	Cred	Title	Term	Days	Date (MM/DD)	Time	Cap	Enrolled	Remaining	Instructor	Location
70171	NET	367A		Richmond	0.000	Exit Exam for AAS in Tech, with Computer Electronics	Extended Registration		12/04-01/12	TBA	20	0	20	Vigyan Jackson Chandra (P)	TBA
70172	NET	367B		Richmond	0.000	Exit Exam for Minor in Computer Electronics Technology	Extended Registration		12/04-01/12	TBA	20	0	20	Vigyan Jackson Chandra (P)	TBA
70170	NET	367C		Richmond	0.000	Exit Exam for University Certificate in Cyber Systems and Network Security	Extended Registration		12/04-01/12	TBA	20	0	20	Vigyan Jackson Chandra (P)	TBA
70173	NET	467		Richmond	0.000	Exit Exam for BS in NET	Extended Registration		12/04-01/12	TBA	15	0	15	Vigyan Jackson Chandra (P)	TBA

INF 104 or TEC 161

CRN	Subj	Crse	Info ▼	Campus	Cred	Title	Term	Days	Date (MM/DD)	Time	Cap	Enrolled	Remaining	Instructor	Location
70162	INF	104		Richmond	3.000	Computer Literacy with Software Applications	Full Term		12/04-01/12	TBA	24	4	20	Shuangteng Zhang (P)	WEB

Upper-division management related coursework:

CRN	Subj	Crse	Info ▼	Campus	Cred	Title	Term	Days	Date (MM/DD)	Time	Cap	Enrolled	Remaining	Instructor	Location
70123	MKT	301		Richmond	3.000	Principles of Marketing (NB)	Full Term		12/04-01/12	TBA	35	8	27	Paul Dominic Niemann (P)	WEB

MAT 112 or higher in GenEd

MAT Mathematics

Select	CRN	Subj	Crse	Info ▼	Campus	Cred	Title	Term	Days	Date (MM/DD)	Time	Cap	Enrolled	Remaining	Instructor	Location
	70095	MAT	111B		Richmond	0.500	Quantitative Support: MAT 112B	Full Term		12/04-01/12	TBA	20	4	16	TBA	WEB
	70068	MAT	112B		Richmond	1.500	Algebra: Functions & Matrices	Full Term		12/04-01/12	TBA	20	7	13	TBA	WEB
	70070	MAT	114		Richmond	3.000	College Algebra	Full Term		12/04-01/12	TBA	20	6	14	TBA	WEB
	70071	MAT	120		Richmond	3.000	Trigonometry	Full Term		12/04-01/12	TBA	20	3	17	TBA	WEB

STA 215 or STA 270 (in the BS degree program)

CRN	Subj	Crse	Info ▼	Campus	Cred	Title	Term	Days	Date (MM/DD)	Time	Cap	Enrolled	Remaining	Instructor	Location
70098	STA	215		Richmond	3.000	Introduction to Statistical Reasoning	Full Term		12/04-01/12	TBA	30	25	5	TBA	WEB

PHY 101 or higher in Gen Ed Element 4 (Natural Sciences)

CRN	Subj	Crse	Info ▼	Campus	Cred	Title	Term	Days	Date (MM/DD)	Time	Cap	Enrolled	Remaining	Instructor	Location
70072	PHY	101		Richmond	3.000	Conceptual Physics	Full Term		12/04-01/12	TBA	12	12	0	Jing Wang (P)	WEB

Gen Ed Element 4 (Natural Sciences, 3 additional hours -- https://catalogs.eku.edu/undergraduate/general-academic-information/general-education-requirements/element-4/)

CRN	Subj	Crse	Info ▼	Campus	Cred	Title	Term	Days	Date (MM/DD)	Time	Cap	Enrolled	Remaining	Instructor	Location
70061	GEO	210	⚲	Richmond	3.000	Introduction to Physical Geography	Full Term		12/04-01/12	TBA	10	10	0	Donald M. Yow (P)	WEB
70135	GEO	210	⚲	Richmond	3.000	Introduction to Physical Geography	Full Term		12/04-01/12	TBA	10	10	0	Glenn Andrew Campbell (P)	WEB

CRN	Subj	Crse	Info ▼	Campus	Cred	Title	Term	Days	Date (MM/DD)	Time	Cap	Enrolled	Remaining	Instructor	Location
70063	GLY	108	⚲	Richmond	3.000	Earthquakes and Volcanoes	Full Term		12/04-01/12	TBA	20	20	0	John C. White (P)	WEB
70151	GLY	109	⚲	Richmond	3.000	Great Moments in Earth History	Full Term		12/04-01/12	TBA	10	5	5	Estifanos Haile (P)	WEB

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); 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

Current (Fall 2023) CompTIA academic-store pricing for the IT Fundamentals+ ($82), Cloud Essentials+ ($82), Network+ ($173), each A+ ($112, 2 exams required), Security+ ($254), Linux+ ($173), Project+ ($173). Non-academic pricing for these certifications is 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 spring and summer 2024 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/**

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							