Request for Substantial Changes to an Existing Program

THE UNIVERSITY OF ARIZONA

Complete this form and submit to the Office of Curricular Affairs. You can review the route of approvals this form will go through here. Committees only meet during the academic year and break for summer.

I. Program Details
    a) Name (and Degree Type) of Academic Program: Cyber Operations Minor
       i) Emphases (if applicable):
    b) Academic Unit(s)/College(s): CIIO, College of Applied Science & Technology

II. Primary Contact and Email: Nicole Kontak nicoler@arizona.edu

III. Planned start term for changes: Fall 2025

IV. Describe the proposed changes to the program as well as the rationale for making the specific changes and include any relevant supporting data.

    The proposed changes are to incorporate 200 level courses into the minor. At the time the minor was first established, the minor was created entirely with upper division coursework because the department did not have lower division coursework to include. Now that the department has established lower division courses, we would like to include these courses in the minor, especially for non-majors who may not have experience with the content. All upper division courses removed from the minor remain in the major.

V. Comparison Chart – complete the appropriate chart below (delete the unnecessary one) to compare your current requirements with the proposed modifications. Only list modifications to requirements, if there is no change, leave blank.

    Tools for course lookup: UA Course Catalog or UAnalytics (Catalog and Schedule Dashboard)

UNDERGRADUATE Only list modifications to requirements, if there is no change, leave blank.	Existing Minor Requirements	Requirements For Modified Minor
Name of minor	Cyber Operations Minor	Cyber Operations Minor
CIP Code –lookup here or contact the Office of Curricular Affairs for assistance, if needed		
Total units required to complete the minor	18	18
Upper division units required to complete the minor	9	9

Minor requirements. List all minor requirements. Courses listed must include prefix, number, units, and title. Mark new coursework (New). Include any limits/restrictions in place/needed (house number limit, etc.). Provide email(s)/letter(s) of support from home department head(s) for courses being added and are not owned by your department. Recommend ordering requirements in the same order as your advisement report.	CYBV 301 (3) Fundamentals of Cybersecurity CYBV 326 (3) Introduction to the Methods of Network Analysis CYBV 329 (3) Cyber Ethics CYBV 385 (3) Introduction to Cyber Operations CYBV 400 (3) Active Cyber Defense CYBV 435 (3) Cyber Threat Intelligence	CYBV 201 (3) Introduction to Cybersecurity (New) CYBV 212 (3) Problem Solving with Scripting (New) CYBV 226 (3) Networking Fundamentals (New) CYBV 301 (3) Fundamentals of Cybersecurity CYBV 354 (3) Principles of Open Source Intelligence (New) CYBV 435 (3) Cyber Threat Intelligence

VI.   Faculty impact – will new faculty hires be required to deliver the new, proposed curriculum?
None

VII.   Budgetary impact – indicate new resources needed and source of funding to implement proposed changes. If reallocating resources, indicate where resources will be taken from and the impact this will have on students/faculty/program/unit.
None

VIII.   Transfer Student Consideration – Please explain how you have planned and evaluated the changes you requested in the context of:
- Mitigating the complexity of the transfer pathway/curriculum
- Supporting transfer student success
- Ensuring transferability of course work from Arizona community colleges

Transfer credit equivalencies may be used to fulfill course requirements for minor.

IX.   Required signatures

Main Proposer (print name and title): Nicole Kontak, Assistant Dean, Curricular & Academic Affairs

Main Proposer signature: *Nicole Kontak*   Date: 8/12/24

Department Head (print name and title): Josh Pauli, Department Head, CIIO

Department Head's signature: *Jh Pef.*   Date: Aug 12, 2024

Associate/Assistant Dean (print name): Linda Denno

Associate/Assistant Dean's signature: Linda L. Denno   Date: Aug 12, 2024

Dean (print name): Nic Rae

Dean's signature: **Nico**   Date: Aug 12, 2024

Graduate: For use by Curricular Affairs (for majors):

Committee	Approval date
GPERC	
Graduate Council	
College Academic Administrators Council	
Arizona Board of Regents (if applicable)	

For minors and certificates:

Committee	Approval date
GPERC	

UG: For use by Curricular Affairs (for majors):

Committee	Approval date
APC	
Undergraduate Council	
U-CAAC	

For minors and certificates:

Committee	Approval date
APS	
Undergraduate Council	

Signature: _Linda Denno (signature)_   **Signature:** _Nicol Rae (signature)_

   Email: ldenno@arizona.edu   **Email:** nicolrae@arizona.edu

Substantial Change Request - Cyber Ops Minor Fall 2025

Final Audit Report   2024-08-12

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