



We All Soar Together

CONGRATULATIONS!

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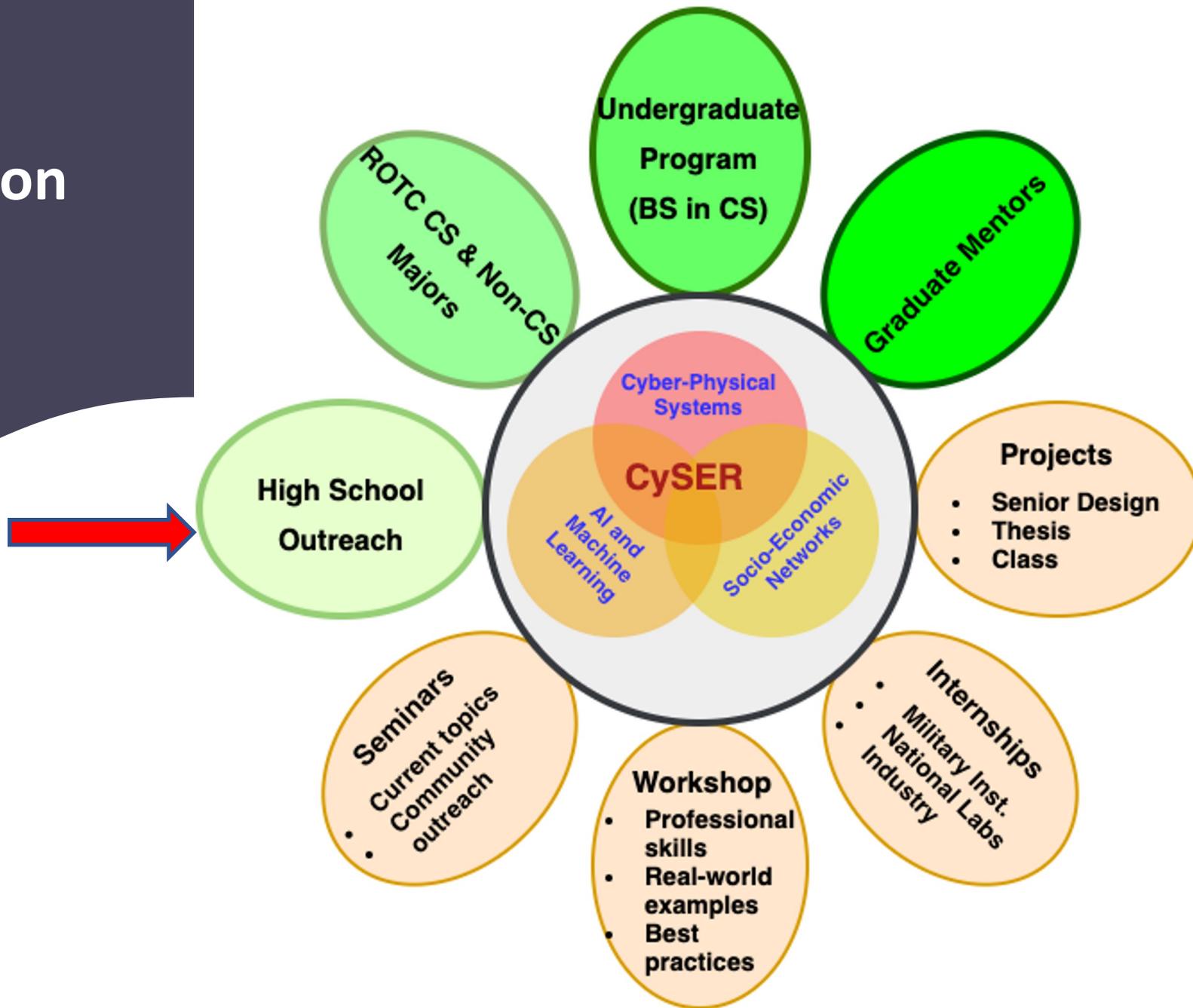
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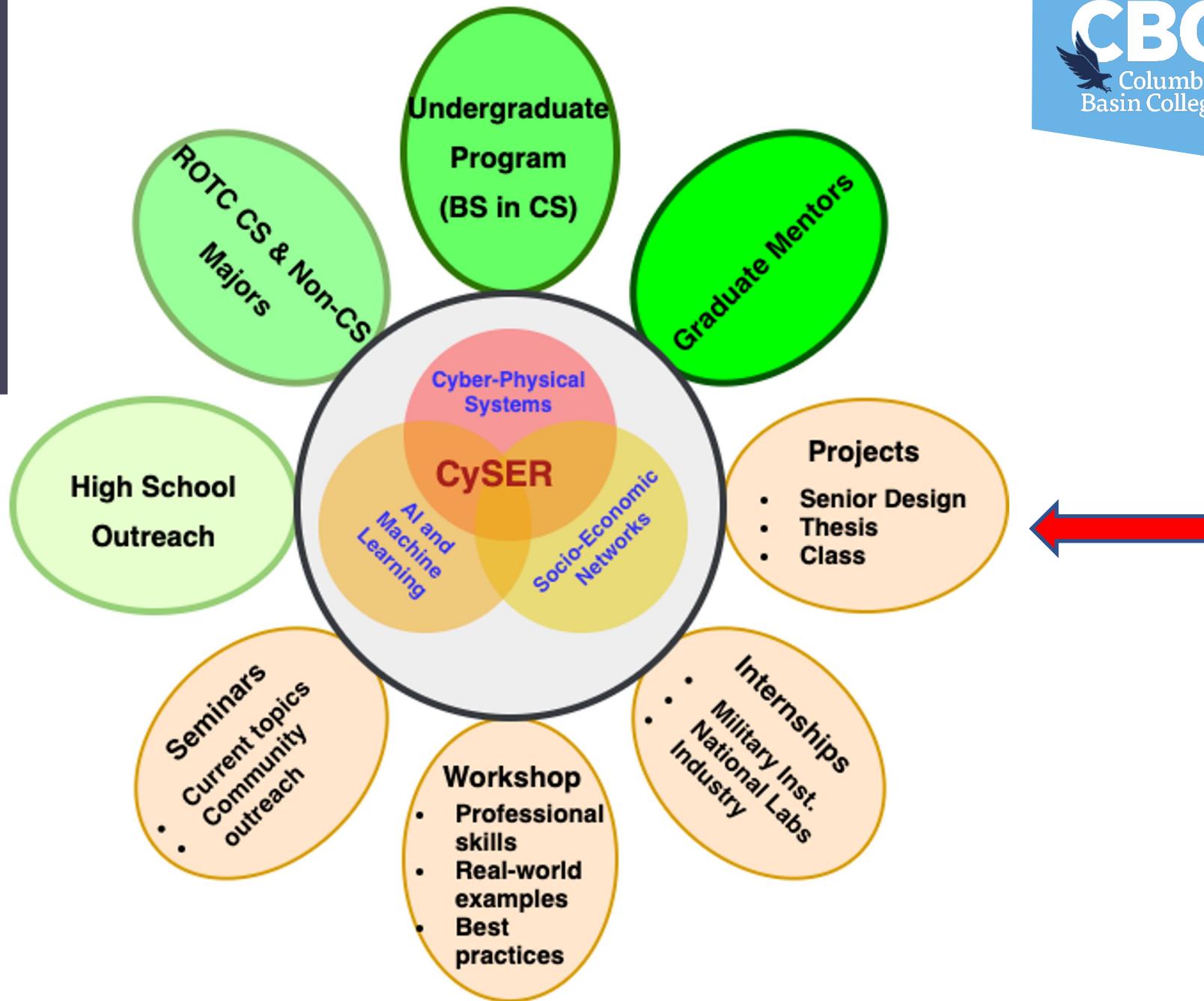
CySER Vision



Local School Outreach

- Cyber Patriot/Stellar X
- Local High School Engagement (1/month)
- JROTC Mentoring
- Tri-Tech –curriculum alignment
- High School Nights
- Job Fairs
- Veterans Day Outreach

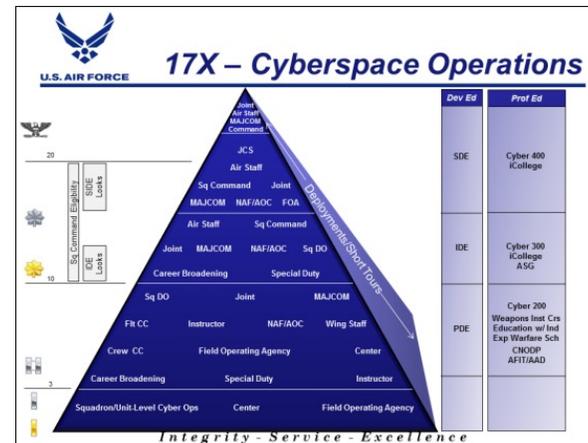
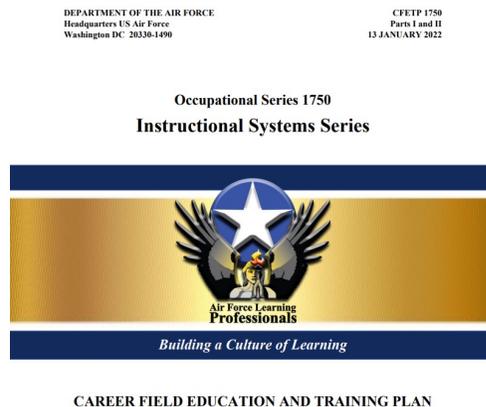
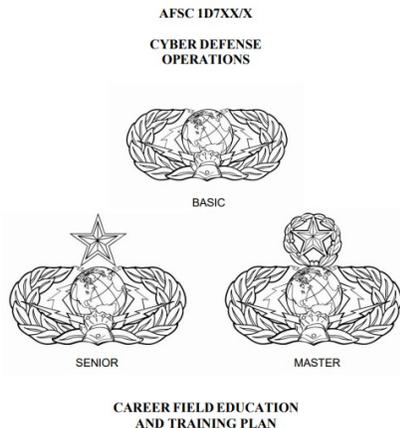
CySER Vision



Projects

- CyberForce Competition
- National Cyber League/Pacific Rim Cyber Competition
- NSA COE (from 2 to 4 year)
- Artificial Intelligence Focus
- Supply Chain
- PM IT Focus

| 7. CYBER SECURITY | | | | | | | | | | |
|--|---|--|--|--|--|--|----|---|---|---|
| TR: 1D7XX Learning Program (AF e-Learning); AFIs 10-701, 17-130, 16-1404; AFPD 10-7; AFMAN 17-1301 | | | | | | | | | | |
| 7.1. Risk, Threats and Vulnerabilities | X | | | | | | A | A | B | - |
| 7.2. Network Security | X | | | | | | B | A | B | - |
| 7.3. Firewalls | | | | | | | | | | |
| 7.3.1. Concepts | X | | | | | | A | A | - | - |
| 7.3.2. Configure | X | | | | | | 2b | - | - | - |
| 7.3.3. Troubleshoot | X | | | | | | 2b | - | - | - |



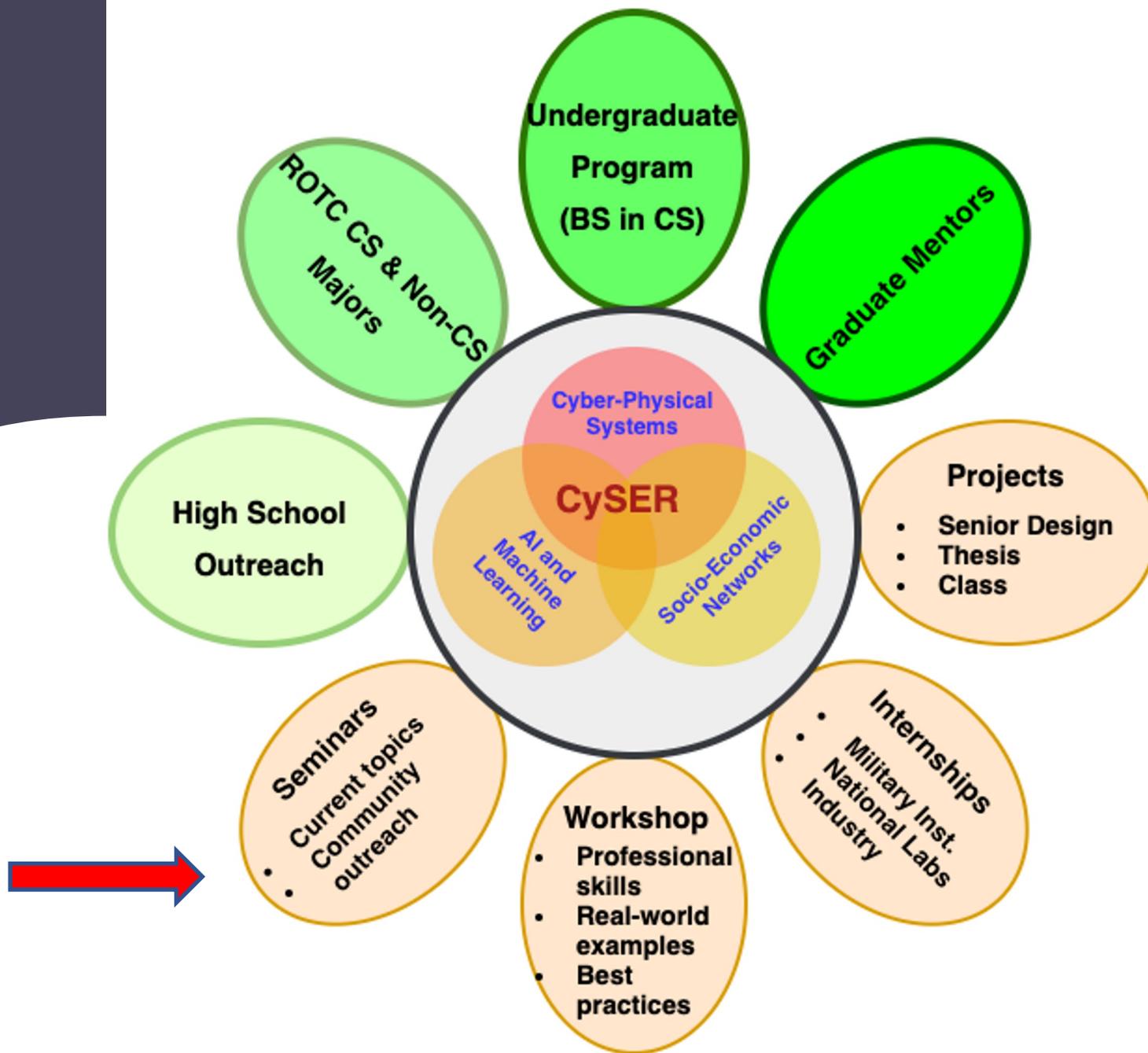
Many Supply Chain Risks to Consider

- Fraudulent Product**: Counterfeit and other than genuine and new devices from the legally authorized source including relabeled, recycled, cloned, defective, out-of-spec, etc.
- Malicious Insertion**: The intentional insertion of malicious hardware coding, or defect to enable physical attacks or cause mission failure; includes logic bombs, Trojan 'kill switches' and backdoors for unauthorized control and access to logic and data
- Anti-Tamper**: Unauthorized extraction of sensitive intellectual property using reverse engineering, side channel scanning, runtime security analysis, embedded system security weakness, etc.
- Quality Escape**: Product defect/ inadequacy introduced either through mistake or negligence during design, production, and post-production handling resulting in the introduction of deficiencies, vulnerabilities, and degraded life-cycle performance
- Reliability Failure**: Mission failure in the field due to environmental factors unique to military and aerospace environment factors such as particle strikes, device aging, hot-spots, electro-magnetic pulse, etc.
- Emerging Threats**: New threats, counterfeit trends, security attacks, and trust issues that combine two or more threats

Proposition: Risk Assessment approach must be integrated to address all

Micro Strategy 1/15/2014 Distribution Statement A - Approved for public release by OSR on 01/13/14; SR Case #14-S-0626 applies. Distribution is unlimited.

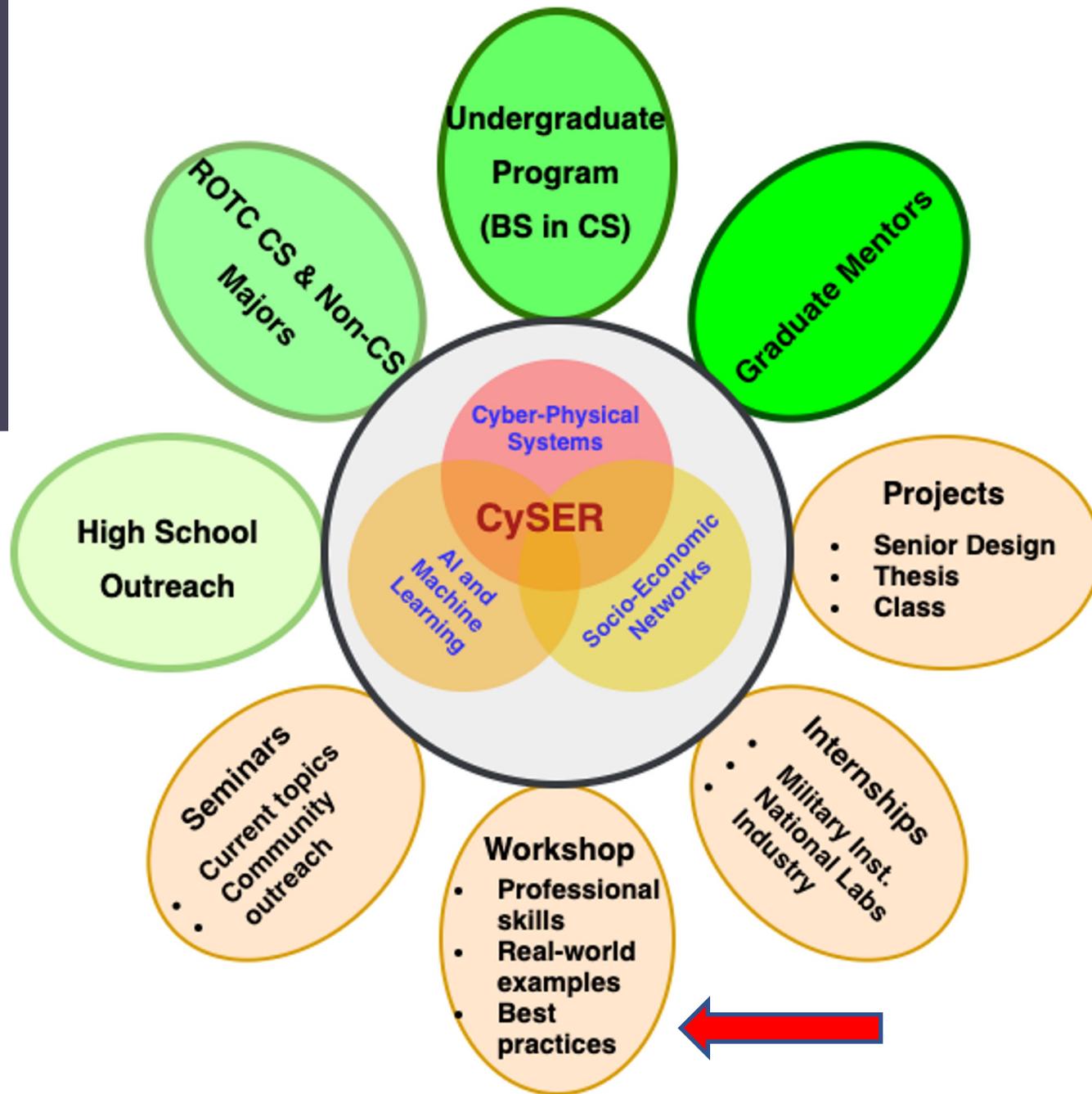
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Community Outreach

- Chambers of Commerce
- Non-Profit Organizations

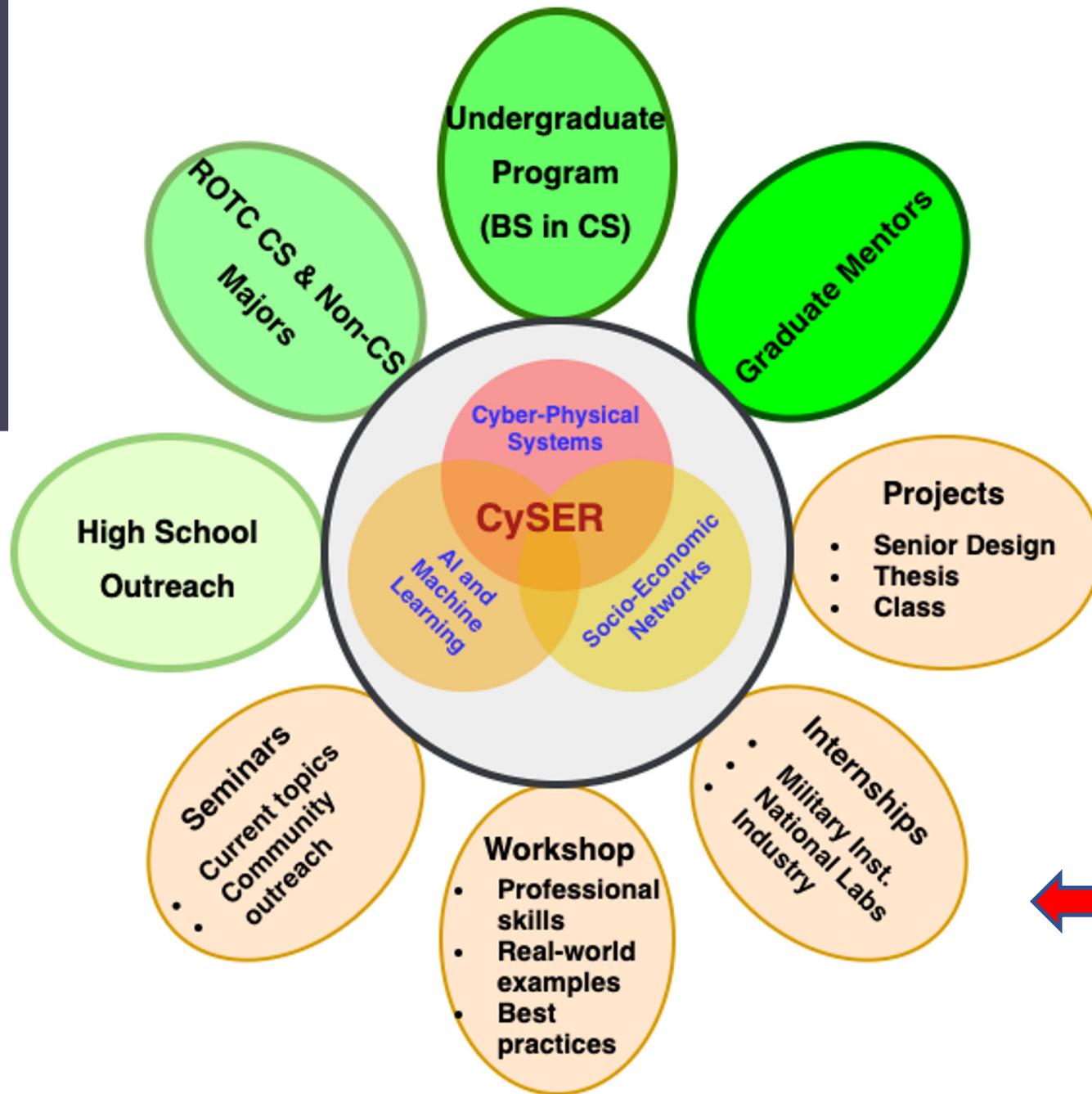
CySER Vision



Workshops

- Supporting Griffiss Workshops
- PM and Cyber Clubs
- Student lead workshops with local entities (PNNL, DOE, etc.)

CySER Vision



Internships

- PNNL
 - SULI
 - CCI
 - WDTS
- DOE
- WRPS
- National Cyberwatch (NSF & NSA)

Thought Pieces

- Marketing Materials
- “Student Credit” – [DAU](#)? [DAU2](#)?
- Budget (should we ramp up to 10 students, equipment, etc. ?)
- Visit Tri-Cities?
- Clearances?
- 25 M Targets?

Thank you



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Backups



CBC's WorkPlan

- Recruit students with a cybersecurity interest
- Oversee development of research training thrusts in areas of their cybersecurity expertise.
- Co-mentor CySER Columbia Basin College undergraduate trainees in cybersecurity research training through interaction with CySER research faculty and PhD students
- Participate in offering CySER relevant cybersecurity courses at the bachelors at CBC.
- Participate in WSU CySER Summer Workshops
- Assist in arranging of internships

CBC's WorkPlan- continued

- Provide service in developing undergraduate capstone project efforts
- Lead in outreach and other service activities related to CBC.
- Participate in quarterly CySER faculty team management meetings.
- Assist with dissemination of results through cybersecurity conferences and publications.
- Assist in project report writing.
- Interact with Project Evaluator to assess CySER training faculty and trainee team progress.