

University of  
South Wales  
Prifysgol  
De Cymru

## Further & Higher Education – Entrepreneurship Forum



Eric Llewellyn  
Deputy Head of School –  
Computing & Mathematics

Stephen Biggs  
Head of National Cyber Security Academy

# ‘Mind the Gap....!’

## SME Support Programmes



# What are USW doing to address this?

## *A significant amount:*

- **Treforest Campus:**
  - Contemporary portfolio of modules
  - Staff working directly with industry
  - Studies across spectrum punctuated with industry led talks
  - CTF
  - Industry approved qualifications
  - Eclectic blend of placements for students

# What are USW doing to address this?

## *A significant amount:*

- **City Campus, Newport:**
  - National Cyber Security Academy
    - BSc Applied Cyber Security degree
  - Ethos of NCSA
  - Industry-led steering group
  - Live Projects

# Pilot Year and First Year Intake

- **Pilot:**
  - Eleven students, going into 3<sup>rd</sup> year
  - Sandwich year approach
  - Good skills base
- **First Year:**
  - Variety of backgrounds
  - Front loading of teaching in first term to develop skills base
- Project-based learning in second term

# Outcomes & Development

- By final year, students will have worked with a variety of companies
- ‘Try before you buy’
- Links with SMEs
- Huge growth:
  - Pilot – 11 students
  - Current intake – 18 students
  - Applicants as at 08 Jan 18 – 60 applications
- PROJECTS

# Entrepreneurial Opportunities

- Business landscape is changing
- Pilot Students have already identified a number of opportunities
- Skills gap - NCSA Associates

# What can you do?

## Engage with USW

- We can help one another





# Questions?



# What would it look like? (BSc Applied Cyber Security) Route

- **Modules:**
  - ***Year 1:***
    - Essentials of Professional Skills in Cyber Security & Governance
    - Cyber Security Tools & Practices
    - Secure Server Configuration & Networks



# What would it look like? (BSc Applied Cyber Security) Route

- **Modules:**
  - ***Year 2:***
    - Digital Crime Scene Management
    - Secure Systems
    - Strategic Corporate Governance, Compliance & Cyber Risks



# What would it look like? (BSc Applied Cyber Security) Route

- **Modules:**
  - ***Year 3:***
    - Advanced Digital Forensic Techniques
    - Advanced Systems Security
    - Incident Management: Assessment & Response
    - Final Individual Project

