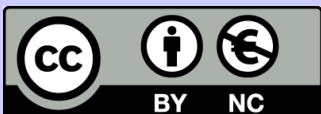


Integracja form kształcenia w systemie LLL: kierunki ewolucji

Andrzej Kraśniewski
Politechnika Warszawska



punkt widzenia osoby uczącej się na poziomie wyższym

studia + (ewentualnie) kształcenie uzupełniające



- ❑ różnicowane, krótsze, „rozciągnięte w czasie” formy kształcenia (uczenia się), podejmowane stosownie do potrzeb w całym okresie dorosłego życia
- ❑ zdobywanie kwalifikacji „po kawałku”

life-long learning (LLL)

Elastyczne ścieżki kształcenia

Programme

Higher Education Expert Conference
The New Student: Flexible Learning Paths
and Future Learning Environments

20 - 21 September 2018



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Remembering the Student:
Flexible Learning and Being Educated
for the Twenty-First Century

Ronald Barnett, University College London Institute of Education
www.ronaldbarnett.co.uk

www.ioe.ac.uk



Centre for Higher
Education Studies

Elastyczne ścieżki kształcenia

- dywersyfikacja oferty i podmiotów prowadzących kształcenie
- wykorzystanie osiągnięć techniki

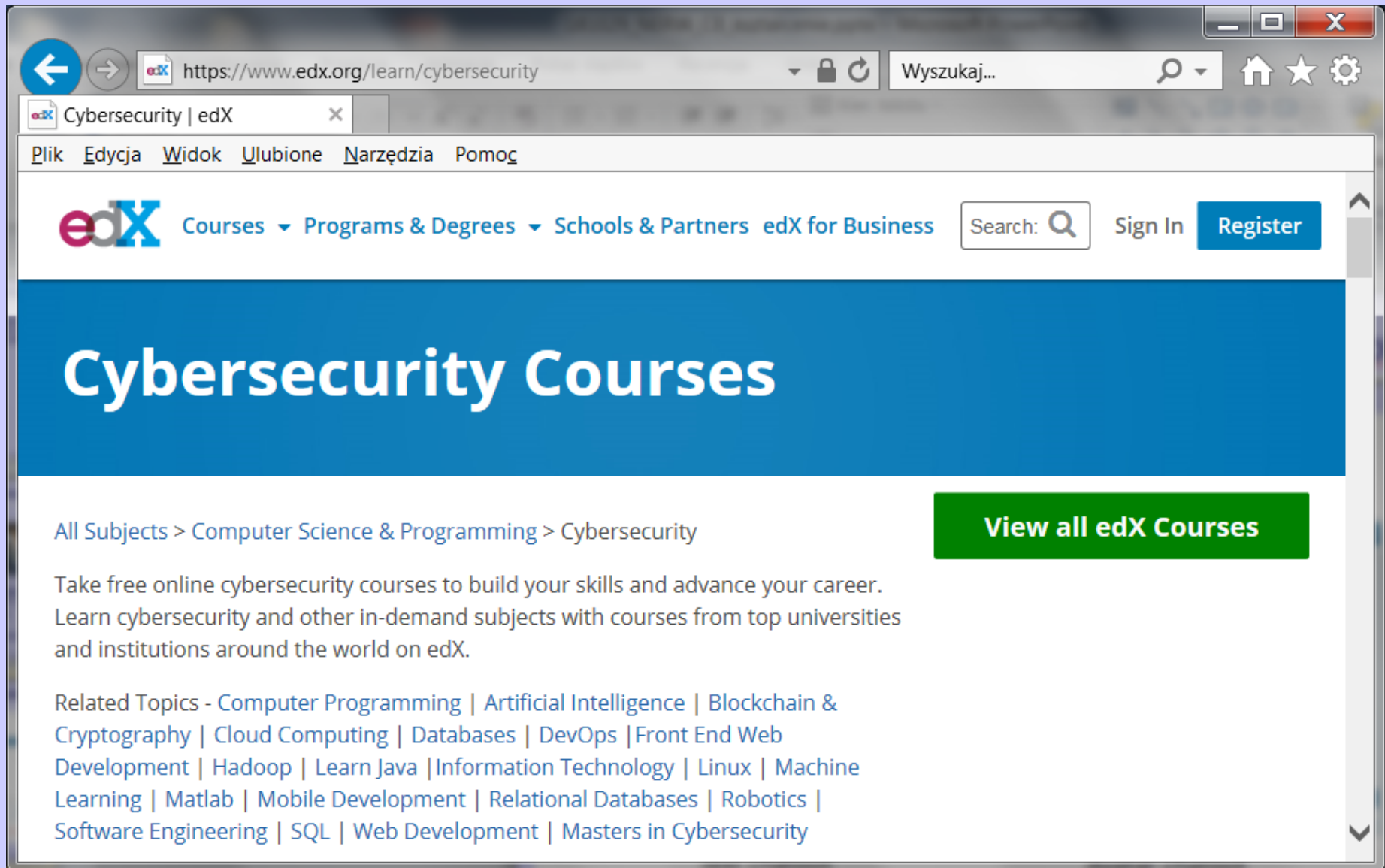
Elastyczne ścieżki kształcenia

- ❑ dywersyfikacja oferty i podmiotów prowadzących kształcenie
- ❑ wykorzystanie osiągnięć techniki

Dywersyfikacja oferty – MOOCs



Cybersecurity MOOCs – platforma edX



The screenshot shows a web browser window with the URL <https://www.edx.org/learn/cybersecurity>. The browser's address bar includes navigation icons, a search field with the text "Wyszukaj...", and home, star, and settings icons. The browser tab is titled "Cybersecurity | edX".

The website's navigation menu includes "Plik", "Edycja", "Widok", "Ulubione", "Narzędzia", and "Pomoc". The main header features the edX logo, navigation links for "Courses", "Programs & Degrees", "Schools & Partners", and "edX for Business", a search field, and "Sign In" and "Register" buttons.

Cybersecurity Courses

[All Subjects](#) > [Computer Science & Programming](#) > [Cybersecurity](#)

[View all edX Courses](#)

Take free online cybersecurity courses to build your skills and advance your career. Learn cybersecurity and other in-demand subjects with courses from top universities and institutions around the world on edX.

Related Topics - [Computer Programming](#) | [Artificial Intelligence](#) | [Blockchain & Cryptography](#) | [Cloud Computing](#) | [Databases](#) | [DevOps](#) | [Front End Web Development](#) | [Hadoop](#) | [Learn Java](#) | [Information Technology](#) | [Linux](#) | [Machine Learning](#) | [Matlab](#) | [Mobile Development](#) | [Relational Databases](#) | [Robotics](#) | [Software Engineering](#) | [SQL](#) | [Web Development](#) | [Masters in Cybersecurity](#)

MOOCs – nowe otwarcie



Ministerstwo Nauki i Szkolnictwa Wyższego
wraz z **Fundacją Młodej Nauki** i partnerami prezentują



Uruchomienie platformy zainauguruje **dr Piotr Dardziński,**
Sekretarz Stanu w Ministerstwie Nauki i Szkolnictwa Wyższego.

Zapraszamy we wtorek, 30.10 o godzinie 11:00 do Centrum Konferencyjnego w Centrum Nauki Kopernik, przy Wybrzeżu Kościuszkowskim 20, w Warszawie.

Dywersyfikacja oferty – nanodegrees

The screenshot displays the Udacity website's 'Nanodegree Programs' page. The page layout includes a navigation bar with the Udacity logo and a search bar. Below the navigation bar, there is a decorative graphic with icons representing various tech fields. The main content area is titled 'Nanodegree Programs' and features a grid of six program cards, each with a distinct color and icon:

- Front-End Web Developer** (Teal card with a laptop and tablet icon)
- Data Analyst** (Maroon card with a fish and globe icon)
- iOS Developer** (Orange card with a smartphone icon and 'NEW' text)
- Full-Stack Developer** (Blue card with a laptop and database icon)
- Introduction to Programming** (Purple card with a triangle and code icon)
- Create** (Partially visible white card with a globe icon)

The background of the page features a woman in a blue jacket and a man in a dark shirt standing in front of a large screen displaying a network diagram.

Cybersecurity nanodegrees

The image shows a screenshot of a Twitter post from the account Udacity (@udacity). The post is titled "Just announced: upcoming Cybersecurity Nanodegree program, which will have scholarship offerings thanks to @RSAsecurity! bit.ly/2HgdG4n". Below the main text is a retweet from Zulfikar Ramzan (@Zulfikar_Ramzan) who says "Excited to know we donated \$50,000 for scholarships to @udacity for their #cybersecurity micro degrees. #Proud #BuildingTheFuture #RSAC!". The post has 55 retweets and 144 likes. The browser address bar shows the URL https://twitter.com/udacity/status/91... and the search bar contains "Wyszukaj...".

https://twitter.com/udacity/status/91... Wyszukaj...

Udacity na Twitterze: "Just a... x

Plik Edycja Widok Ulubione Narzędzia Pomoc

Korzystanie z usług Twittera oznacza, że wyrażasz zgodę na korzystanie przez nas z plików cookie. Firma Twitter i jej partnerzy działają globalnie i wykorzystują pliki cookie do analiz, personalizacji treści i wyświetlania reklam.

Udacity @udacity Obserwuj

Just announced: upcoming Cybersecurity Nanodegree program, which will have scholarship offerings thanks to @RSAsecurity! bit.ly/2HgdG4n

Zulfikar Ramzan @Zulfikar_Ramzan
Excited to know we donated \$50,000 for scholarships to @udacity for their #cybersecurity micro degrees. #Proud #BuildingTheFuture #RSAC!

14:13 - 20 kwi 2018

55 podań dalej 144 polubienia

8 55 144

Udacity @udacity
Share the project
Nanodegree pro
#madewithudaci
support@udacity

Dywersyfikacja oferty – MITx MicroMasters



25 programów, ok. 0.5 mln studentów

źródło: P.. Rigg, *University World News*, 10 October 2018

Cybersecurity MITx MicroMaster

The screenshot shows a web browser window with the URL <https://www.edx.org/micromasters/ritx-cybersecurity>. The page features the edX logo and navigation links for Courses, Programs & Degrees, Schools & Partners, and edX for Business. A search bar and buttons for Sign In and Register are also present. The main content area is a dark blue banner with the RIT logo and the text "Cybersecurity". Below this, it says "Launch your career in a high demand industry that projects 2 million new jobs annually by earning a Cybersecurity MicroMasters Credential from RIT." A green button reads "Pursue the Program (\$1200 \$1080 USD)". At the bottom of the banner are three links: "View Courses", "Meet the Instructors", and "The MicroMasters Program". Below the banner is a section for "MicroMasters" with a globe icon and the text "A series of credit-eligible courses recognized by industry." Below this is a paragraph: "Gain the essential knowledge and expertise in network security and forensics needed for cybersecurity in enterprise environments." To the right of this text is a table with two rows: "Average Length: 8 weeks per course" and "Effort: 10-12 hours per week, per course".

edX Courses ▾ Programs & Degrees ▾ Schools & Partners edX for Business Search: Sign In Register

R·I·T

Cybersecurity

Launch your career in a high demand industry that projects 2 million new jobs annually by earning a Cybersecurity MicroMasters Credential from RIT.

Pursue the Program (\$1200 \$1080 USD)

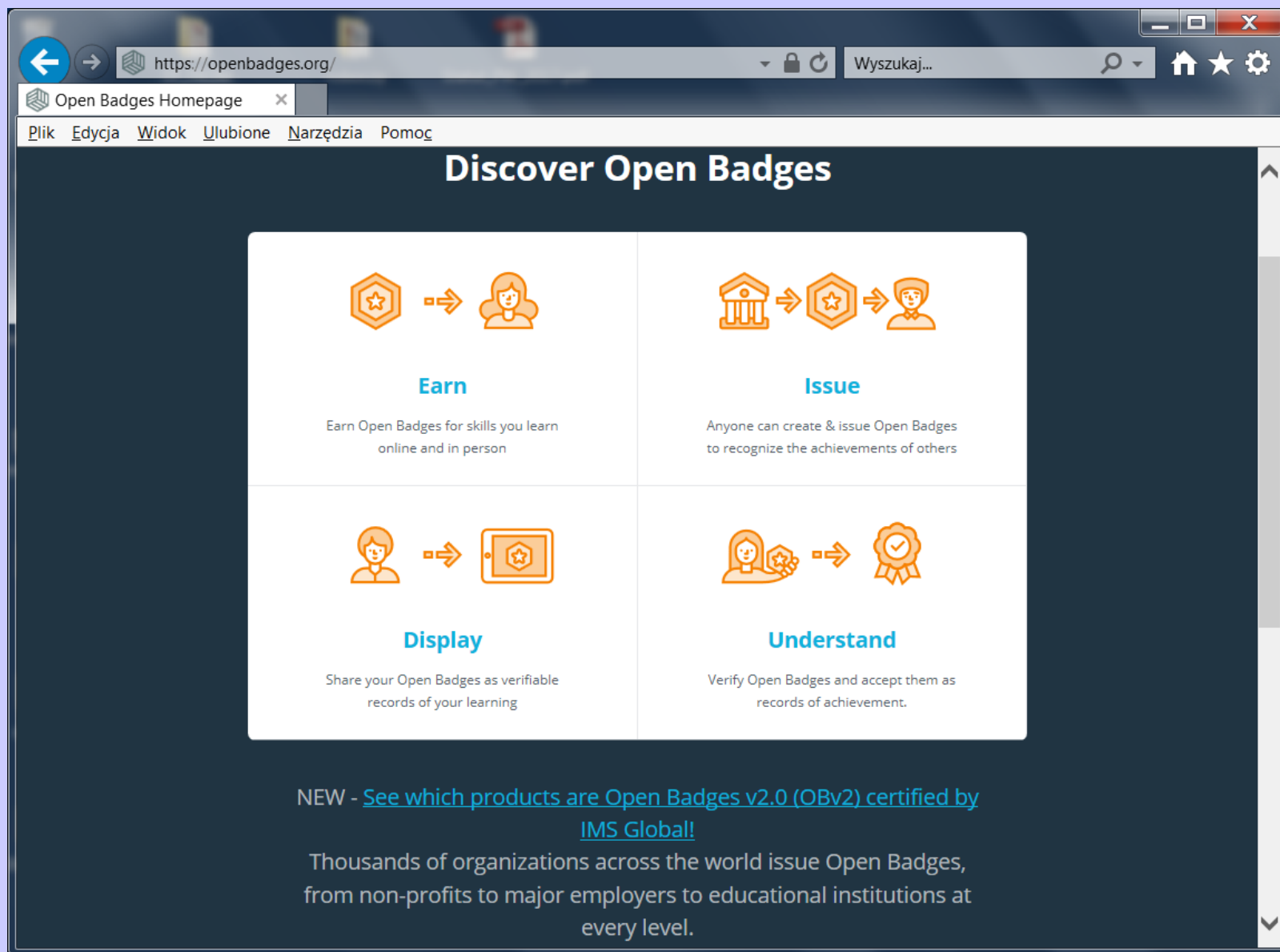
[View Courses](#) [Meet the Instructors](#) [The MicroMasters Program](#)

MicroMasters[®] A series of credit-eligible courses recognized by industry.

Gain the essential knowledge and expertise in network security and forensics needed for cybersecurity in enterprise environments.

Average Length:	8 weeks per course
Effort:	10-12 hours per week, per course

Dywersyfikacja oferty – Open Badges



The screenshot shows the Open Badges homepage with a dark blue background. At the top, there is a browser window with the URL <https://openbadges.org/> and a search bar labeled "Wyszukaj...". Below the browser window, there is a navigation menu with links: "Plik", "Edycja", "Widok", "Ulubione", "Narzędzia", and "Pomoc". The main heading is "Discover Open Badges". Below this, there are four white boxes arranged in a 2x2 grid, each illustrating a stage of the Open Badges process with an icon and a brief description.

Stage	Icon Description	Description
Earn	Icon of a badge with a star and an arrow pointing to a person's profile.	Earn Open Badges for skills you learn online and in person
Issue	Icon of a building, a badge with a star, and a person's profile, connected by arrows.	Anyone can create & issue Open Badges to recognize the achievements of others
Display	Icon of a person's profile and a badge on a tablet screen, connected by an arrow.	Share your Open Badges as verifiable records of your learning
Understand	Icon of a person's profile holding a badge, and a separate badge with a checkmark, connected by an arrow.	Verify Open Badges and accept them as records of achievement.

NEW - [See which products are Open Badges v2.0 \(OBv2\) certified by IMS Global!](#)

Thousands of organizations across the world issue Open Badges, from non-profits to major employers to educational institutions at every level.

Cybersecurity Open Badges

The image shows a browser window displaying the Open Badge Academy website. The main content area features the GIAC logo and the heading "GIAC'S Digital Badge Program". Below this, there is a paragraph explaining the GIAC program and digital badging. A section titled "What is a Digital Badge?" is followed by four circular digital badge icons: GSEC (GIAC Security Essentials Certification), GCIH (GIAC Certified Incident Handler), GCFE (GIAC Certified Forensic Examiner), and GCIA (GIAC Certified Intrusion Analyst). A large, detailed view of the GSEC badge is shown on the right side of the page.

Browser address bar: <https://www.openbadgeacademy.com/cybersecurityhid>

Browser address bar: <https://www.giac.org/digitalbadges>

GIAC CERTIFICATIONS

GIAC'S Digital Badge Program

The GIAC (Global Information Assurance Certification) program and digital badging provider Acclaim t certification. Digital badges can be used in [email signatures](#), personal web sites, social media sites su help GIAC certification holders convey to employers, potential employers and interested parties the sk

What is a Digital Badge?

- GIAC SECURITY ESSENTIALS CERTIFICATION (GSEC)
- GIAC CERTIFIED INCIDENT HANDLER (GCIH)
- GIAC CERTIFIED FORENSIC EXAMINER (GCFE)
- GIAC CERTIFIED INTRUSION ANALYST (GCIA)

Dywersyfikacja oferty – poziom 5 ERK/PRK



www.frp.org.pl



www.pearson.pl

KONFERENCJA

POZIOM 5 – BRAKUJĄCE OGNIWO *UCZELNIA, SPOŁECZEŃSTWO, RYNEK PRACY*

Hotel „Novotel Warszawa Centrum”

Warszawa, 14 marca 2017 r.

PATRONATY



Ministerstwo Nauki
i Szkolnictwa Wyższego



Rada Główna
Nauki i Szkolnictwa Wyższego



Cybersecurity – poziom 5 ERK/PRK

The image shows two overlapping browser windows from the website <https://www.cyberdegrees.org>. The background window shows the main page with the heading "CYBER DEGREES" and "Degree Programs". The foreground window shows a search results page for "Associate in Cyber Security" programs. The page lists 28 US schools. A yellow highlight box contains the text "28 US schools".

Below are all the matching online programs we found in our directory, from 28 US schools.

SCHOOL NAME	PROGRAMS
Beaufort County Community College	Washington, North Carolina A.A.S. in Information Technology – Network Management
Bismarck State College	Bismarck, North Dakota Associate in Applied Science in Cybersecurity & Computer Networks Bismarck State College offers an Associate in Applied Science in Cybersecurity & Computer Networks that students can complete entirely online. The degree prepares students for jobs in a system administration or data security role. Students who complete the program are prepared to earn a variety of industry-recognized certifications, such as A+ and Linux+, that can enhance their job prospects. Students can complete the program in two to three years, depending upon their level of proficiency in math, English, and computers. Applicants should be logical, detail-oriented, and know the basics of operating in a Windows environment and navigating the internet. Online students can watch and participate in a live broadcast of a class or view a recording later.

Cybersecurity – oferta Pearson



Pearson BTEC Level 4 Diploma in Information Security Professional Competence (QCF)

Specification

Competence-based qualification

First registration August 2014

The screenshot shows a web browser window displaying the Pearson website. The address bar shows the URL: <https://www.pearson.com/us/higher-education/series/Pearson-IT-Cybersecurity-Curriculum-ITCC/59>. The page title is "Pearson IT Cybersecurity Curriculum (ITCC)". The navigation menu includes "PreK-12 Education", "Higher Education", "Industry & Professional", and "About Us". The main content area features the title "Pearson IT Cybersecurity Curriculum (ITCC)" and the subtitle "A turn-key curriculum solution". A graphic on the right shows the "PEARSON ITCC" logo with a stylized fingerprint icon. Below the main content, there is a tabbed interface with "Overview" and "Titles" tabs. The "Overview" tab is active, showing a paragraph of text: "Pearson's IT Cybersecurity Curriculum (ITCC) series is a turn-key curriculum solution for two- or four-year degree or certificate programs. Designed to support the critical need for workforce development in cybersecurity, Pearson ITCC provides multi-modal, real-world focused, hands-on courseware. Our courseware can be used as a complete program or as ad hoc individual courses to fill in your program and fit your student profile, workforce needs, and school requirements and articulation agreements."

ALWAYS LEARNING

PEARSON

Elastyczne ścieżki kształcenia

- ❑ dywersyfikacja oferty i podmiotów prowadzących kształcenie
- ❑ wykorzystanie osiągnięć techniki

Wykorzystanie AI – chatboty



Badanie chatbotów jako członków organizacji

Wirtualna Asystentka

Ola:

Witaj na stronie Akademii Leona Koźmińskiego!

Jestem Wirtualną Asystentką i chętnie odpowiem na Twoje pytania dotyczące rekrutacji oraz korzystania przez studentów z systemów informatycznych ALK.

- Rekrutacja
- Rekrutacja online
- Jak zalogować się do serwisu Wirtualna Uczelnia?

Wpisz swoje pytanie...

Prośba o kontakt

powered by IntelliWISE

Text chatbot

Wirtualna Asystentka

Ola
Wirtualna Asystentka



Ola:

Witaj na stronie Akademii Leona Koźmińskiego!

Jestem Wirtualną Asystentką i chętnie odpowiem na Twoje pytania dotyczące rekrutacji oraz korzystania przez studentów z systemów informatycznych ALK.

Wpisz swoje pytanie...

Prośba o kontakt

powered by IntelliWISE

Avatar chatbot

Organizatorzy:



Wykorzystanie blockchain

**INSIDE
HIGHER ED**

<https://www.insidehighered.com>

What every college leader

Submitted by Daniel Pianko on September 27, 2018

Blockchain is at the steep end of higher education's adoption curve. Many are intrigued by blockchain's potential but others are skeptical. Here are some stories about initial coin offerings or Bitcoin.

So how does the advent of blockchain affect higher education? Institutional leaders take note of its potential and application to real-world challenges.



What is the Blockchain and How Can It Transform Higher Education?

October 9, 2018



What is blockchain? As academic leaders, you want to stay on top of what's coming next. And the blockchain could transform how colleges and universities operate in 5 critical ways.

by Alicia Miranda, Research Analyst, Academic Impressions

Osiągnięcia techniki a LLL

Programme

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Plenary session II - Future Learning Environments

The opportunities of new technologies such as virtual learning environments and new learning modes are the focus of this session. Moreover it will reflect on the chances and challenges

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University

Plenary session III – Blockchain in higher education

Blockchain technology may offer possibilities to foster flexible learning paths since it could present a new way of tracking academic performance. This session address the question what blockchain technology could mean for higher education.

The Blockchain Principles and their Potential

Walter Dettling, Lecturer for Business Information Technology and Mathematics, University of Applied Sciences and Arts Northwestern Switzerland

How could blockchain technologies contribute to opening up higher education? Policy perspectives from the "Going Open" report.

Andreia Inamorato dos Santos, European Commission, Joint Research Centre

The UNIC Blockchain Initiative

Antonis Polemitis, CEO, University of Nicosia, Cyprus

Integracja form kształcenia w systemie LLL: kierunki ewolucji

Andrzej Kraśniewski
Politechnika Warszawska

