



<b>Cyfadrn/Cyfarwyddiaeth</b>	Y Gyfadrn Gelf, Gwyddoniaeth a Thechnoleg
<b>Adran</b>	Cyfrifiadureg
<b>Teitl Swydd</b>	Darlithydd mewn Cyfrifiadura Seiber
<b>Yn Atebol i</b>	Arweinydd Pwnc
<b>Gradd</b>	Darlithydd

## Trosolwg o'r Swydd

Bydd deiliad y swydd yn addysgu rhaglenni Prifysgol Wrecsam, yn cynnal ymchwil a gweithgaredd ysgolheigaidd ac yn cyfrannu at reoli'r rhaglenni hyn yn ôl yr angen.

Bydd yr unigolyn yn cyfrannu at weithgareddau masnachol a gweithgareddau cynhyrchu incwm eraill, lle bo'n briodol.

Cyfrannu at y gwaith o sicrhau bod ansawdd a safonau academiaidd y brifysgol yn cael eu cynnal a bod profiad myfyrwr yn cael ei wella'n barhaus.

## Diben y Swydd

Bydd y swydd yn cefnogi datblygiad a chyflwyniad y cwricwlwm ym maes Cyfrifiadura gyda phwyslais ar ddisgyblaeth Cyfrifiadureg. Bydd deiliad y swydd yn dangos gwybodaeth ac arbenigedd mewn tueddiadau a chymwysiadau systemau caledwedd cyfredol ynghyd ag egwyddorion rhaglennu a dylunio technegol gyda hyfedredd yn y defnydd o amgylcheddau datblygu integredig safonol y diwydiant. Prif swyddogaeth y rôl hon yw hwyluso dylunio, paratoi, addysgu ac asesu modiwlau ar draws ystod ein portffolio cyfrifiadura gyda phwyslais ar ein rhaglenni cyfrifiadura ar-lein ynghyd â chefnogi recriwtio myfyrwr, gweithgareddau ymgysylltu â diwydiant ac amcanion ehangach y gyfadrn.

Bydd deiliad y swydd yn dangos ymgysylltiad gweithredol ag ymchwil neu weithgareddau ysgolheigaidd eraill y cytunwyd arnynt sy'n cyfoethogi ac yn tanategu darpariaeth y rhaglen a chymhwyso offer a thueddiadau diwydiant cyfoes.

## Prif Atebolrwydd

### Cymorth Addysgu a Dysgu

- Datblygu a darparu adnoddau a deunyddiau addysgu i fodloni manyleb y rhaglen.
- Datblygu asesiadau i fesur perfformiad a dealltwriaeth myfyrwyr yn fanwl gywir.
- Goruchwylio gwaith myfyrwyr ôl-raddedig a addysgir a/neu fyfyrwyr ymchwil, yn ôl yr angen, i gefnogi datblygiad sgiliau ymchwil myfyrwyr.
- Gosod, marcio, yn ffurfiol ac yn gyfansymiol, ac asesu gwaith myfyrwyr, gan sicrhau bod y deilliannau dysgu wedi'u bodloni a bod yr adborth yn fanwl ac adeiladol.
- Cyfrannu'n weithredol at wella'r profiad myfyrwyr.

### Gweithgareddau Ymchwil

- Ymgymryd ag ymchwil a/neu weithgaredd ysgolheigaidd cytunedig arall er mwyn cyfrannu at ddatblygiad y maes (fel disgyblaeth academaidd).
- Paratoi cynigion a cheisiadau i gyrff allanol, yn ôl yr angen, i sicrhau cyllid ymchwil ac i gynhyrchu incwm ychwanegol i'r Brifysgol. Ysgrifennu a chyhoeddi canlyniadau ymchwil arloesol yn y maes i hyrwyddo enw'r Brifysgol yn y sector Addysg Uwch a'r gymuned ehangach.
- Dadansoddi data a gwerthuso gwybodaeth y gellir ei defnyddio i fod yn sail i addysgu a dysgu.
- Datblygu amcanion ymchwil a chynigion ar gyfer eich ymchwil eich hun a/neu ymchwil ar y cyd sy'n bodloni'r meini prawf cyllid.
- Defnyddio menter, creadigrwydd a beirniadaeth i ddatblygu methodolegau ymchwil priodol sy'n hyrwyddo gweithgaredd ysgolheigaidd yn y maes.

### Menter Academaidd

- Cymryd rhan yn natblygiad partneriaethau mewnol ac allanol er mwyn lledaenu gwybodaeth, rhannu arferion gorau, sefydlu cyfleoedd am waith ar y cyd a gwella enw da'r Brifysgol.
- Cymryd rhan mewn rhwydweithiau ffurfiol i fagu cysylltiadau newydd a fydd o fudd i'r adran a'r Gyfadran yn gyffredinol.

### Darparu Gwasanaeth

- Dylunio, adolygu ac addasu cynnwys modiwlau ac unedau i ymateb i adborth ac anghenion myfyrwyr, gyda'r bwriad o wella cyfraddau cadw myfyrwyr.
- Dilyn gweithdrefnau sicrhau ansawdd i sicrhau y bodlonir safonau'r Brifysgol.
- Cydweithio â chydweithwyr academaidd ar ddatblygu a chyflwyno pynciau/rhaglenni yn yr adran, y Gyfadran ac ar draws y Brifysgol (pryd bynnag sy'n briodol) i sicrhau bod portffolio'r cwricwlwm yn parhau'n gyffredol a bod y gweithdrefnau asesu yn berthnasol.
- Cydlynu digwyddiadau myfyrwyr, yn ôl yr angen, gan sicrhau y defnyddir amser ac adnoddau'n effeithiol.
- Cynorthwyo gyda gweithgareddau priodol cyn-mynediad, recriwtio, dethol a derbyn (gan gynnwys Dyddiau Agored a Dyddiau Ymweld) er mwyn hyrwyddo'r adran a chael gwell dealltwriaeth am anghenion/disgwyliadau myfyrwyr.
- Bod yn bwynt cyswllt cyntaf ar gyfer materion yn ymwneud â llesiant myfyrwyr, gan atgyfeirio problemau pan fyddant yn gymhleth neu'n ddifrifol.

### Gwaith Tîm

- Mynd i gyfarfodydd/byrddau y Gyfadran, yr Adran a'r Rhaglen, yn ôl yr angen, er mwyn cyfrannu at y broses o wneud penderfyniadau a datblygu cysylltiadau gweithio cynhyrchiol o fewn timau ac ar eu traws.
- Cyflwyno aelodau newydd i'r adran drwy ddarparu cymorth a hyfforddiant mewn perthynas â'r sgiliau, y prosesau, y systemau a'r gweithgareddau sy'n benodol i'r adran.
- Darparu adborth i gydweithwyr drwy gynlluniau mentora cyfoed i gefnogi eich datblygiad eich hun a datblygiad eraill ac i sicrhau gwelliant parhaus ym mherfformiad yr adran.

### Cysylltu a Rhwydweithio

- Ymgysylltu'n weithredol â chyirff proffesiynol a dysgedig e.e. cymryd rhan mewn pwyllgorau, gweithgorau, trefnu cynadleddau/gweithdai.

## **Atebolrwydd Personol**

- Cymryd cyfrifoldeb am hyrwyddo gwasanaeth cwsmer o ansawdd yn eich maes gwaith eich hun.
- Cymryd cyfrifoldeb am gyfrannu at ymrwymiad y Brifysgol i gyflawni gwasanaethau sy'n rhoi gwerth am arian ac sy'n gwneud y defnydd gorau o adnoddau, gan ystyried hyn wrth ymgymryd â holl ddyletswyddau ac agweddau ar y swydd.
- Cymryd cyfrifoldeb am sicrhau eu bod yn parhau i ddiweddarau eu gwybodaeth a'u sgiliau i fod yn effeithiol yn eu swydd.
- Cymryd rhan yn y broses Arfarnu, ymgymryd â'r broses o osod amcanion er mwyn cynorthwyo gyda monitro perfformiad a datblygiad yr unigolyn.
- Ymgysylltu â'r broses Modelu Dyrannu Llwyth Gwaith a chymryd rhan ynddi er mwyn cefnogi dyraniad dyletswyddau'r unigolyn.
- Cymryd cyfrifoldeb am weithredu Polisi Cyfle Cyfartal y Brifysgol o fewn maes cyfrifoldeb personol ac o ran ymddygiad cyffredinol.
- Ymgymryd â rôl lechyd a Diogelwch benodol, sy'n gymesur â'ch gradd, i gefnogi'r Brifysgol i fodloni ei rhwymedigaethau lechyd a Diogelwch statudol. Gallai hyn gynnwys ymddwyn fel Asesydd Offer Sgrin Arddangos, Swyddog Cymorth Cyntaf, Marsial Tân neu Gydlynnydd Diogelwch yr Adran. Bydd neilltuo rolau o'r fath yn amodol ar ddarparu hyfforddiant priodol ac asesiad cymhwysedd.
- Gall fod yn ofynnol gweithio ar unrhyw un o safleoedd y Brifysgol, gyda rhybudd rhesymol.
- Cymryd cyfrifoldeb am gyfrannu at ymrwymiad y Brifysgol i Gynaliadwyedd Amgylcheddol er mwyn lleihau ei gwastraff, ei defnydd o ynni a'i hól troed carbon.
- Ymgymryd â dyletswyddau perthnasol eraill sy'n gymesur â gradd y swydd fel y neilltuir gan y Rheolwr neu reolwyr y Brifysgol i gefnogi datblygiad y Brifysgol. Ni ddylid gwrthod cytundeb o'r fath yn afresymol.
- Rhaid i staff fod yn ymwybodol o ymrwymiad y Brifysgol i Gynaliadwyedd
- Rhaid i bob aelod o staff hyrwyddo ymddygiad iach ac iechyd meddwl a llesiant cadarnhaol.

## **Amrywiol**

Mae'r Brifysgol yn un o lofnodwyr y Concordat Datblygu Ymchwilwyr a'r Concordat Uniondeb Ymchwil. Mae disgwyl i ddeiliad y swydd lynu at ofynion y ddarpariaeth hon.

## Adolygu

Mae hwn yn ddisgrifiad o'r swydd ar adeg ei chyhoeddi. Arfer y Brifysgol o bryd i'w gilydd yw adolygu a diweddarau swydd ddisgrifiadau er mwyn sicrhau eu bod yn adlewyrchu natur gyfredol y swydd a gofynion y Brifysgol yn gywir ac i ymgorffori unrhyw newidiadau rhesymol pan mae angen, mewn ymgynghoriad â deiliad y swydd.

**Teitl Swydd:**

Darlithydd mewn Cyfrifiadura Seiber

Er mwyn cael eich rhoi ar y rhestr fer, rhaid i chi ddangos eich bod yn bodloni'r holl feini prawf hanfodol, a chymaint o'r meini prawf dymunol ag sy'n bosibl. Pan fydd gennym nifer fawr o geisiadau sy'n bodloni'r holl feini prawf hanfodol, byddwn wedyn yn llunio'r rhestr fer gan ddefnyddio'r meini prawf dymunol.

## Meini Prawf Dethol

Priodoleddau	Eitem	Meini Prawf Perthnasol	Prawf Adnabod Dull	Pwysigrwydd	
1	Sgiliau a Gallu	1.1	Lefel uchel o sgiliau ysgrifenedig, llafar a rhyngbersonol.	Ff, C	H
		1.2	Gallu i addysgu ar draws y maes pwnc a chyfrannu at addysgu ar draws y Gyfadran.	Ff, Rh, C	H
		1.3	Tystiolaeth o wneud cyfraniad mewn tîm ymchwil ac o'ch gallu i gydweithio ar wahanol lefelau ar draws sefydliad.	Ff, C	H
2	Gwybodaeth Gyffredinol ac Arbenigol	2.1	Dealltwriaeth am fecanweithiau a phrosesau ariannu ymchwil ac arddangos tystiolaeth o ddatblygu amcanion a chynigion ymchwil ar gyfer ymchwil eich hun neu ymchwil ar y cyd (efallai gyda chymorth mentor).	Ff, Rh, C	H
		2.2	Tystiolaeth o waith ymchwil ar gyfer cyhoeddiadau a fydd yn cyfrannu at y maes pwnc neu'n arddangos y potensial i gyflawni'r safon hon o ymchwil	Ff, Rh, C	H
3	Addysg a Hyfforddiant	3.1	Yn meddu ar PhD neu'n gweithio tuag at gymhwyster o'r fath.	Ff, C, T	D
		3.2	Tystysgrif ôl-radd mewn Addysgu mewn AU, neu barodrwydd i weithio tuag at ddod yn Gymrawd y Sefydliad Addysg Uwch.	Ff, C, T	H

		3.3	Gradd Meistr mewn disgyblaeth briodol neu ymrwymiad i weithio tuag at hynny. Aelod o gorff proffesiynol neu gorff dysgedig perthnasol.	Ff, C	H
4	Profiad Perthnasol	4.1	Profiad blaenorol o addysgu neu gefnogi myfyrwyr.	Ff,C	H
		4.2	Profiad ôl-ddoethurol perthnasol.	Ff, C	D
5	Gofynion Arbennig	5.1	Gallu cyfathrebu drwy gyfrwng y Gymraeg.	Ff, C	D
		5.2	Tystiolaeth o ymrwymiad i ddatblygiad proffesiynol parhaus.	Ff, C	H
		5.3	Cofnod cyhoeddi sy'n gymesur â lefel dda o berfformiad ymchwil a cham eich gyrfa.	Ff, C	H
6	Ychwanegol/Diwygiadau i'r Fanyleb Person	6.1	Arbenigedd a'r gallu i gyfrannu at addysgu ac ymchwil ym maes cyffredinol cyfrifiadureg gan gynnwys systemau caledwedd, rhwydweithiau a chymwysiadau dynol.	Ff, C, Gw/Da	H
		6.2	Gwybodaeth a galluoedd digonol yn ymwneud ag addysgu ac asesu arleini gyda phwyslais ar offer a thuenniadau cyfredol.	Ff, C	H
		6.3	Gwybodaeth ddigonol am systemau cronfa ddata a dadansoddi rhifiadol gyda phwyslais ar duenniadau a chymwysiadau cyfredol.	Ff, C	H
		6.4	Gwybodaeth a galluoedd digonol yn ymwneud ag offer a thechnegau diwydiant a ddefnyddir i reoli prosiectau datblygu ystwyth gan ddefnyddio SCRUM.	Ff, C	H
		6.5	Gwybodaeth a galluoedd digonol yn ymwneud â'r risgiau a'r cyfleoedd sy'n gysylltiedig â Rhyngwyd Pethau.	Ff, C	H

<b>Allwedd</b>	<b>Dull Adnabod</b>	<b>Ff</b>	Ffurflen Gais
		<b>C</b>	Cyfweliad
		<b>P</b>	Prawf
		<b>T</b>	Tystysgrifau
		<b>Gw/Da</b>	Gweithdy/Darlith
		<b>Rh</b>	Rhoi Cyflwyniad
		<b>G</b>	Asesiad Grŵp
	<b>Pwysigrwydd</b>	<b>H</b>	Hanfodol
		<b>D</b>	Dymunol



# Job Description



<b>Faculty/Department</b>	Faculty of Arts, Science and Technology
<b>Area/ Section</b>	Computing
<b>Job Title</b>	Lecturer in Cyber & Computing
<b>Reports to</b>	Principal Lecturer (Cyber & Computing)
<b>Grade</b>	Lecturer

## Job Overview

The post holder will teach on Wrexham University programmes, carry out research and scholarly activity and contribute to the management of the department programmes as required.

Where appropriate, contribute to commercial and other income generation activity.

Contribute towards ensuring that academic quality and standards of the university are maintained and the student experience is continually enhanced.

## Job Purpose

The post will support the development and delivery of the curriculum in the department of Cyber Security & Computing.

The post holder will demonstrate knowledge and expertise within computing with specialist skills within one or more of the four strands of the computing portfolio (Computer Science, Data Science, Cyber Security and/or Software Engineering).

The primary function of the role is to facilitate the design, preparation, teaching and assessment of modules across the range of our computing portfolio along with supporting student recruitment, industry engagement activities and wider faculty objectives.



The post holder will demonstrate active engagement with research or other agreed scholarly activities that enhances and underpins programme delivery and the application of contemporary industry tools and trends.

## Principal Accountabilities

### Teaching & Learning Support

- Develop and deliver resources and teaching materials to meet programme specification.
- Develop assessments to measure accurately students' performance and understanding.
- Supervise the work of taught postgraduate and/or research students, as required, to support the development of students' research skills.
- Set, mark, formatively and summatively and assess students' work, ensuring that learning outcomes have been met and that feedback is both detailed and constructive.
- Actively contribute to enhancing the student experience.

### Research Activities

- Undertake research and/or other agreed scholarly activity in order to contribute to the development of the field (as an academic discipline).
- Prepare proposals and applications to external bodies, as required, to secure research funding and to generate additional income for the University. Write and publish results of innovative research in the field to further the University's standing in the HE sector and the wider community.
- Analyse data and evaluate information that can then be used to inform teaching and learning.
- Develop research objectives and proposals for own and/or joint research which meet funding criteria.
- Use initiative, creativity and judgement in the development of appropriate research methodologies that further scholarly activity in the area.

### Academic Enterprise

- Participate in the development of internal and external partnerships in order to disseminate information, share best practice, establish opportunities for collaborative work and enhance the reputation of the University.
- Participate in formal networks to build new relationships that benefit both the department and the Faculty as a whole.

### Service Provision

- Design, review and adapt module and unit content in response to student feedback and need, with a view to improving student retention.
- Engage with quality assurance procedures to ensure that University standards are met.
- Collaborate with academic colleagues on subject/programme development and delivery within the department, the Faculty and across the University (where appropriate) to ensure that the curriculum portfolio remains current and the assessment procedures are relevant.
- Co-ordinate student and industry events, as required, ensuring the effective use of time and resources.

- Assist in appropriate pre-entry, recruitment, selection and admissions activities (including Open Days and Visit Days) in order to promote the department and gain a better understanding of student needs/expectations.
- Provide a first point of contact for student welfare issues, referring problems on where they are complex or serious.

### Team Working

- Attend Faculty, Department and Programme meetings/boards, as required, in order to contribute to the decision-making process and to develop productive working relationships within and across teams.
- Introduce new starters to the department by providing support and training on the skills, processes, systems and activities that are specific to the department.
- Provide feedback to colleagues via peer mentoring schemes to support the development of self and others and to ensure the continuous improvement of departmental performance.

### Liaising and Networking

- Active engagement with professional and learned bodies e.g. participation in committees, working parties, conference/workshop organisation.
- Collaborate to cultivate and establish meaningful industry connections that hold significance for the university and bolster initiatives aimed at engaging with industry stakeholders

## **Personal Accountabilities**

- Take responsibility to promote high levels of customer care within their own areas of work.
- Take responsibility to engage with the University's commitment to delivering value for money services that optimise the use of resources and consider this when undertaking all duties and aspects of their role.
- Take responsibility for ensuring they have and continue to update their knowledge and skills to be effective in their roles.
- Participate in the PDR process, engaging in the setting of objectives in order to assist in the monitoring of performance and the development of the individual.
- Engage and participate in the Workload Allocation Model process to support the allocation of duties of the individual.
- Take responsibility for applying the University's Equal Opportunities Policy in their own area of responsibility and in their general conduct.
- Be required to undertake a specific Health & Safety role, commensurate with their grade, to support the University in meeting its statutory Health & Safety obligations. This could include acting as a DSE Assessor, First Aider, Fire Marshall or Departmental Safety Co-ordinator. The allocation of such roles will be subject to the provision of appropriate training and assessment of competence.
- With reasonable notice, be required to work at any of the University sites.
- Take responsibility to engage with the University's commitment to Environmental Sustainability in order to reduce its waste, energy consumption and carbon footprint.
- Undertake other relevant duties commensurate with the grade of the post as may be assigned by the Manager or University managers to support the development of the University. Such agreement should not be unreasonably withheld.

- Staff must be aware of the University's commitment to Sustainability
- All staff must promote healthy behaviour and positive mental health and wellbeing

## **Miscellaneous**

The University is a signatory to the Researcher Development Concordat and Research Integrity Concordat. The post holder is expected to adhere to the requirements of this provision.

## **Review**

This is a description of the job at the time of issue. It is the University's practice periodically to review and update job descriptions to ensure that they accurately reflect the current nature of the job and requirements of the University and to incorporate reasonable changes where required, in consultation with the job holder.

# Prifysgol Wreccsam Wrexham University

## Person Specification

**Job Title:** Lecturer in Cyber & Computing

In order to be shortlisted you must demonstrate that you meet all the essential criteria and as many of the desirable criteria as possible. Where we have a large number of applications that meet all of the essential criteria, we will then use the desirable criteria to produce the shortlist.

### Selection Criteria

Attributes		Item	Relevant Criteria	Identification Method	Rank
1	Skills & Abilities	1.1	High level of written, oral and interpersonal skills.	A, I	E
		1.2	The ability to teach across the subject area and to contribute to teaching across the Faculty.	A, P, I	E
		1.3	Evidence of making a contribution in a research team and the ability to collaborate at different levels across an organisation.	A, I	E
2	General & Specialist Knowledge	2.1	An understanding of research funding mechanisms and processes and demonstrate evidence of developing research objectives and proposals for own or joint research (maybe with the assistance of a mentor).	A, P, I	E
		2.2	Evidence of research work for publications which will contribute to the subject area or demonstrate the potential to achieve this standard of research.	A, P, I	E
3	Education & Training	3.1	Possessing or working towards a PhD.	A, I, C	D
		3.2	PG certificate in Teaching in HE, or commitment to undertake and achieve fellowship of HEA.	A, I, C	E
		3.3	Master's Degree in an appropriate discipline or commitment to working to achieve this.	A, I	E
		3.4	Member of relevant professional or learned body.	A, I	E

4	Relevant Experience	4.1	Previous experience of teaching or supporting students.	A, I	E
		4.2	Relevant postdoctoral experience.	A, I	D
5	Special Requirements	5.1	The ability to communicate through the medium of Welsh.	A, I	D
		5.2	Evidence of a commitment to continuous professional development.	A, I	E
		5.3	A publication record commensurate with a good level of research performance and stage of career.	A, I	E
6	Additional/ Amendments to Person Specification	6.1	Expertise and ability to contribute to teaching and research in the general area of computer science.	A, I,	E
		6.2	Sufficient knowledge and abilities relating to industry tools and techniques employed within the industry of their specialisms.	A, I	E
<b>Date of Revision</b>					

<b>Key</b>	<b>Identification Method</b>	<b>A</b>	Application Form
		<b>I</b>	Interview
		<b>T</b>	Test
		<b>C</b>	Copy of Certificates
		<b>W/L</b>	Workshop/Lecture
		<b>P</b>	Presentation
		<b>G</b>	Group Assessment
	<b>Rank</b>	<b>E</b>	Essential
		<b>D</b>	Desirable

