

## Degree Apprenticeship Briefing

23 January 2020

### Introduction

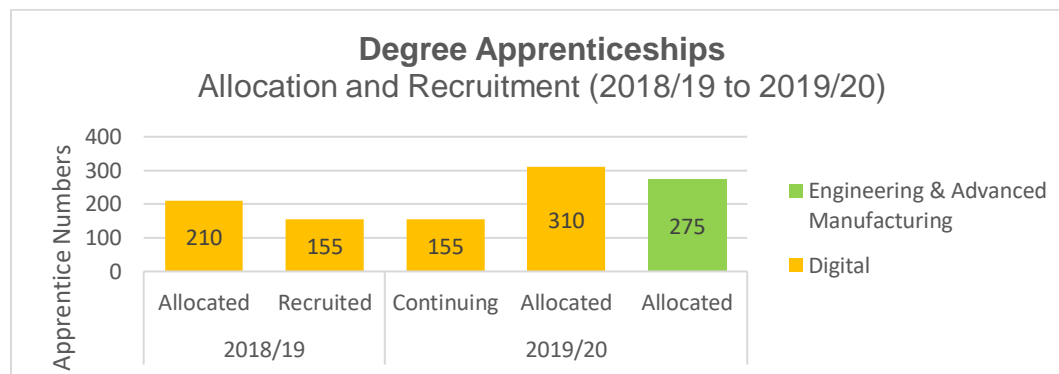
This paper provides actual recruitment of Degree Apprenticeships 2018/19 on the Digital Degree Apprenticeship (Wales) Framework, based on HESA End of Year Monitoring (EYM) data. The paper also provides an updated position on recruitment of Degree Apprenticeships 2019/20 based Monitoring Reports submitted by HEFCW funded institutions, period 1 (01/08/2019 to 15/11/2019). This applies to new and continuing apprentices on the [Digital Degree Apprenticeship \(Wales\) Framework](#) issued on 29 April 2018, and new apprentices on the [Engineering and Advanced Manufacturing \(Wales\) Framework](#) issued on 1 August 2019.

### Degree Apprenticeships 2018/19

- Circular [W18/13HE Degree Apprenticeships](#) invited HEFCW-funded institutions to submit proposals for funding of the Digital Degree Apprenticeship (Wales) 2018/19. HEFCW took forward successful bids to fund apprenticeship numbers, and a second call for bids 2018/19 was published in HEFCW's circular [W18/32HE Additional Degree Apprenticeship Numbers in Wales for 2018/19 and monitoring information for apprenticeships already allocated 2018/19](#).
- HEFCW-funded institutions delivering qualifications against the Digital Degree Apprenticeship (Wales) Framework 2018/19 include:

Provider	Pathway	Qualification Title
Bangor University	Software	BSc Applied Software Engineering Hons
Cardiff Metropolitan University	Data	BSc (Hons) Applied Data Science
The Open University in Wales	Software	BSc (Hons) Applied Software Engineering
Swansea University	Software	BSc (Hons) in Applied Software Engineering
University of Wales Trinity Saint David	Data	BSc (Hons) Computing (Data & Information Systems)
University of Wales Trinity Saint David	Cyber	BSc (Hons) Computing (Computer Networks & Cyber Security)
University of Wales Trinity Saint David	Software	BSc (Hons) Computing (Software Engineering)
Wrexham Glyndŵr University	Cyber	BSc (Hons) Cyber Security
Wrexham Glyndŵr University	Software	BSc (Hons) Computing

- The University of South Wales was approved to deliver BSc (Hons) Digital & Technology Solutions in 2019/20;
  - Cardiff University and Aberystwyth University signalled that they intended to submit proposals for Degree Apprenticeships 2019/20.
- HEFCW committed to fund <sup>1</sup>210 apprentice numbers, equivalent to £1,865,250 of the available £3,000,000 funding for 2018/19, on one or more of the pathways identified on the Digital Degree Apprenticeship (Wales) Framework. HEFCW-funded institutions reported recruitment of <sup>1</sup>155 apprentices against approved numbers for delivery 2018/19. These have been approved for continuation funding to 2019/20:



- Circular [W18/32HE](#) published 18 December 2018, invited HEFCW funded institutions to submit Monitoring Reports for Degree Apprenticeship recruitment 2018/19. Employer data returned through this process indicates that 13% of degree apprentices are new starters, and that 36% of employers accessing the programme are SMEs:

		Number	Percentage
Employee Status	Existing Employee	130	86.67%
	New Employee	20	13.33%
	<b>Total</b>	<b>150</b>	
Size of Employer	SME	25	35.71%
	Not SME	45	64.29%
	<b>Total</b>	<b>70</b>	

<sup>1</sup> All numbers are rounded up or down to the nearest multiple of 5. Any number lower than 2.5 is rounded to 0. Halves are rounded upwards (e.g. 2.5 is rounded to 5).

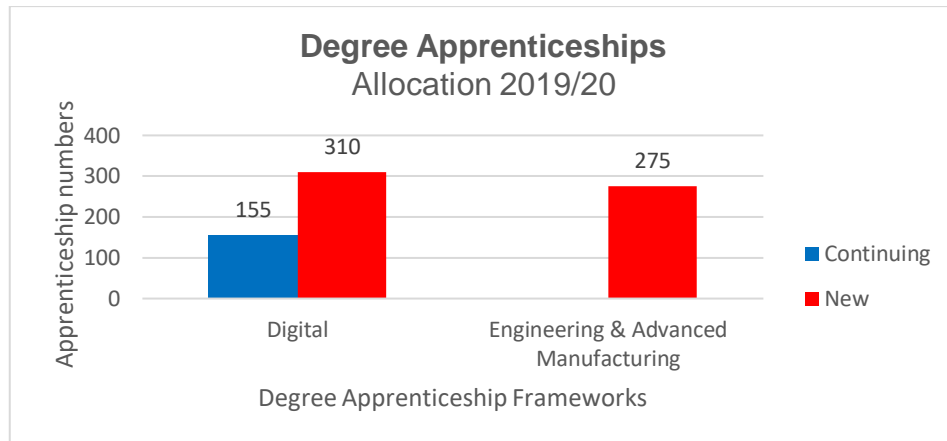
## HESA Student Record 2018/19

- The [HESA student record](#) 2018/19 provides actual End of Year (EYM) monitoring data for degree apprentices, Please see **Annex A**.
- Data from the HESA student record highlights that of a total enrolment of <sup>1</sup>155 apprentices in 2018/19:
  - 19.6% were Welsh speakers;
  - 10% were aged 21 or under;
  - 21.6% were female;
  - 9.8% declared a disability;
  - 4.7% were from black and minority ethnic groups;
  - 23.5% had previous qualifications at degree or postgraduate level;
  - 25 apprentices (17.4%), have a low participation neighbourhood marker, and 25 apprentices (17.1%), are on the Welsh Index of Multiple Deprivation (WIMD);
  - 19.6% of apprentices left the Degree Apprenticeship programme during 2018/19. The number of successful completions accounts for 50% of this figure;
  - The unitary authority of domicile that accounts for the highest percentage of apprentices, (19%) is Swansea.
- The HESA Student Record does not record employer information that could provide data on the number of employers in each local authority, or the local authority in which apprentices are employed.

## Degree Apprenticeships 2019/20

- [Circular W19/04HE](#) published on 21 March 2019, invited HEFCW-funded institutions to submit proposals for funding of Degree Apprenticeships 2019/20 against one or more of the pathways identified on the [Digital Degree Apprenticeship \(Wales\) Framework](#), and the [Engineering and Advanced Manufacturing \(Wales\) Framework](#). Proposals submitted for new and continuing students 2019/20 indicates that over <sup>1</sup>190 employers were engaged in this process.
- HEFCW has committed to take forward bids to fund <sup>1</sup>585 new apprenticeships in 2019/20. This total comprises of <sup>1</sup>310 new apprentice numbers on the Digital Degree Apprenticeship (Wales) Framework, and <sup>1</sup>275 new apprentice numbers on the Engineering and Advanced Manufacturing (Wales) Framework 2019/20.

There was also an additional allocation of 1155 apprenticeships continuing from 2018/19 to 2019/20:



## Monitoring Report 2019/20

- Circular [W19/38HE](#) published 13 November 2019 outlined monitoring arrangements for Degree Apprenticeship recruitment 2019/20. Monitoring information will be collected from HEFCW funded institutions over three reference periods during 2019/20. This mirrors HESA reference periods in Data Futures.

The Reference periods are:

Reference period one: 01/08/2019 - 15/11/2019  
 Reference period two: 16/11/2019 - 31/03/2020  
 Reference period three: 01/04/2020 - 31/07/2020

- Data reported by HEFCW funded institutions in their Monitoring Reports during reference period one highlights a total recruitment of 380 new and continuing apprentices. Please see **Annex B**.
- Based on monitoring data reported during reference period one, retention from 2018/19 to 2019/20 is currently 82%. A final retention figure will not be available until Reference Period 3, 31/07/2020, when all additional in year starts will be reported. This is subject to HESA EYM data.
- Monitoring data 2019/20 reference period one highlights that of the 380 new and continuing apprentices:

- Recruitment comprises of 270 new apprentice starts 2019/20, and 115 apprentices continuing from 2018/19;
  - 20% are Welsh speakers;
  - 20% are aged 21 or under;
  - 17% are female;
  - 7% declared a disability;
  - 3% are from black and minority ethnic groups;
  - 39% of employers are in the manufacturing sector;
  - 20% of employers are SMEs;
  - 58% of apprentices are enrolled on the Digital Framework, and 42% of apprentices are enrolled on the Engineering and Advanced Manufacturing Framework;
  - 135 apprentices are enrolled on the Software Engineering pathway (36%);
  - 295 apprentices are existing employees (78%), and 85 apprentices are new employees (22%).
- HEFCW-funded institutions delivering qualifications against the Digital Degree Apprenticeship (Wales) Framework 2018/19 and the Engineering and Advanced Manufacturing (Wales) Framework include:

Awarding Body	Pathway	Qualification
Aberystwyth University		Under Development
Bangor University	Software	BSc Applied Software Engineering (Hons)
	Cyber	BSc Applied Cyber Security (Hons)
	Data	BSc Applied Data Science (Hons)
	Engineering Product Design and Development	BEng Hons Applied Engineering Systems (Mechanical)
	Engineering Product Design and Development	BEng Hons Applied Engineering Systems (Electrical / Electronic)
Cardiff Metropolitan University	Data	BSc (Hons) Applied Data Science
Cardiff University	Engineering Product Design and Development	BEng (Hons) Integrated Engineering
	Software	BSc Applied Software Engineering Degree Apprenticeship
Swansea University	Advanced Manufacturing	BEng Advanced Manufacturing Engineering
	Engineering Product Design and Development	BEng Aeronautical and Manufacturing Engineering
	Software	BSc (Hons) in Applied Software Engineering
The Open University in Wales	Software	BSc (Hons) Applied Software Engineering
University of South Wales	Software	BSc (Hons) Digital & Technology Solutions
	Cyber	BSc (Hons) Cyber Security
	Engineering Product Design and Development	BSc (Hons) Mechanical Engineering
	Engineering Product Design and Development	BEng (Hons) Mechanical Engineering
	Engineering Product Design and Development	BSc (Hons) Electrical & Electronic Engineering
	Engineering Product Design and Development	BEng (Hons) Electrical & Electronic Engineering
	Engineering Product Design and Development	BSc (Hons) in Compound Semiconductors Technologies (Top Up)

University of Wales Trinity Saint David	Cyber	BSc (Hons) Computing (Computer Networks & Cyber Security)
	Data	BSc (Hons) Computing (Data & Information Systems)
	Software	BSc (Hons) Computing (Software Engineering)
	Advanced Manufacturing	BSc (Hons) Ordnance, Munitions and Explosives
	Advanced Manufacturing	BEng Materials Science
	Advanced Manufacturing	BEng Manufacturing Systems Engineering
	Advanced Manufacturing	BSc (Hons) Advanced Manufacturing Operations
	Advanced Manufacturing	BEng Mechanical and Manufacturing Engineering
	Engineering Product Design and Development	BSc (Hons) Electrical & Electronic Engineering
	Engineering Product Design and Development	BSc (Hons) Mechanical Engineering
Wrexham Glyndŵr University	Software	BSc (Hons) Computing
	Cyber	BSc (Hons) Cyber Security
	Advanced Manufacturing	BEng (Hons) Production Engineering
	Engineering Product Design and Development	BEng (Hons) Industrial Engineering Design (Mechanical)
	Engineering Product Design and Development	BEng (Hons) Industrial Engineering Design (Electrical)

- More information regarding the Degree Apprenticeship programme can be found via the [HEFCW](#) website, and [Business Wales Skills Gateway](#).

Annex A

Degree Apprenticeship 2018/19

Summary counts of total individualised student records for those students starting degree apprenticeships in 2018/19

HESA Student Record

	Level of entry to apprenticeship				Welsh speaker status			Age			Sex				Disability			Ethnicity				Total enrolments
	Level 4	Level 5	Level 6	Level Unknown	Welsh speaker	Not a Welsh speaker	% Welsh speaker	Aged under 21	Aged 21 and over	% Aged 21 and over	Male	Female	Other	% Female	Declared disabled	No known disability	% Declared disabled	White	Black and minority ethnic groups	Not known	% Black and minority ethnic groups	
Total Wales	120	15	20	0	30	125	19.6%	15	135	88.9%	120	35	0	21.6%	15	140	9.8%	140	5	5	4.7%	155

	Previous qualifications					Low participation				Deprivation				Retention						Total enrolments
	First degree	Postgraduate	Other	None	% First degree or Postgraduate	Low participation area	Other UK area	Non-UK area	% low participation area	Deprivation Area	Other Wales	Non-Wales Area	% Deprivation Area	No. on Degree Apprenticeships 2018/19	No. of successful completions in 2018/19	No. of transfers out 2018/19	No.of non completions 2018/19	Total leaving in 2018/19	% Total leaving in 2018/19	
Total Wales	25	10	105	15	23.5%	25	125	5	17.4%	25	120	5	17.1%	155	15	0	15	30	19.6%	155

	Unitary Authority of domicile																							Total enrolments	
	Blaenau Gwent	Bridgend	Caerphilly	Cardiff	Carmarthenshire	Ceredigion	Conwy	Denbighshire	Flintshire	Gwynedd	Isle of Anglesey	Methyr Tydfil	Monmouthshire	Neath Port Talbot	Newport	Pembrokshire	Powys	Rhondda, Cynon, Taff	Swansea	Torfaen	The Vale of Glamorgan	Wrexham	Other UK		Non UK, Welsh term-time address
Total Wales	0	5	0	15	15	5	0	0	10	0	0	5	0	15	15	0	0	10	30	5	5	0	5	5	155

Source: HESA student record 2018/19

**Notes**  
Postgraduate includes PGCE  
Low Participation Area:  
For young full-time students - are those areas in the bottom quintile of areas defined by POLAR4  
For mature full-time and all part-time students - are those areas in the bottom quintile of areas defined by the proportion of working age adults with HE level qualifications (as measured using Census 2011 data)  
Young is defined as being aged 20 or under at the start of course. Mature is defined as being aged 21 or over at the start of course  
  
Deprivation areas are those areas in the bottom quintile of areas as defined by WIMD14  
% leaving does not imply the percentage who may not return, only those who have left in 2018/19  
Non-UK area not included in calculation of '% low participation area'  
Non-Wales Area not included in calculation of '% Deprivation Area'  
Degree apprentices are domiciled in 19 of the 22 Unitary Authorities in Wales, however due to the data disclosure control methodology, small figures are rounded to 0, making it appear that degree apprentices come from only 12 Unitary Authorities.

Data control methodology applied:  
This means that:  
All numbers are rounded up or down to the nearest multiple of 5. Any number lower than 2.5 is rounded to 0. Halves are rounded up (e.g. 2.5 is rounded to 5)  
Percentages are calculated on unrounded data  
Percentages calculated on populations which contain fewer than 22.5 individuals are suppressed and represented as ". "  
Totals are the rounded sum of the unrounded data and therefore may appear to differ from the sum of the individual rounded data

Manual amendment for OU of level of entry is 4 (from unknown)

Previous qualifications  
Postgraduate  
First degree  
Other  
None

## Annex B

### Summary of 2019/20 Degree Apprenticeship in-year monitoring reports

Reference Period One: 01/08/2019 - 15/11/2020		New apprentice Number	Continuing apprentice Number	Total Number	Total Percentage
Level of entry to apprenticeship	Level 4	175	100	280	74%
	Level 5	55	10	70	18%
	Level 6	35	0	35	9%
	<b>Total</b>	<b>270</b>	<b>115</b>	<b>380</b>	
Welsh speaker status	Welsh speaker	60	15	75	20%
	Non Welsh speaker	210	95	305	80%
	<b>Total</b>	<b>270</b>	<b>115</b>	<b>380</b>	
Age	Aged under 21	60	15	75	20%
	Aged 21 and over	210	95	305	80%
	<b>Total</b>	<b>270</b>	<b>115</b>	<b>380</b>	
Gender	Male	230	85	315	83%
	Female	35	30	65	17%
	Other	0	0	0	0%
	<b>Total</b>	<b>270</b>	<b>115</b>	<b>380</b>	
Disability status	Disabled	15	10	25	7%
	No known disability	250	105	355	93%
	<b>Total</b>	<b>270</b>	<b>115</b>	<b>380</b>	
Ethnicity	White	240	105	350	92%
	Black and ethnic minority	5	0	10	3%
	Ethnicity Unknown	20	5	25	7%
	<b>Total</b>	<b>270</b>	<b>115</b>	<b>380</b>	
Sector	C Manufacturing	5	145	150	39%
	D Electricity, gas, steam and air conditioning supply	0	0	0	0%
	E Water supply, sewerage, waste management and remediation activities	0	5	5	1%
	F Construction	0	5	5	1%
	G Wholesale and retail trade; repair of motor vehicles and motorcycles	0	5	5	1%
	H Transport and storage	0	0	5	1%
	I Accommodation and food service activities	5	5	5	1%
	J Information and communication	15	20	35	9%
	K Financial and insurance activities	0	20	20	5%
	M Professional, scientific and technical activities	5	5	15	4%
	N Administrative and support service activities	5	0	5	1%
	O Public administration and defence; compulsory social security	45	30	75	20%
	P Education	10	10	15	4%
	Q Human health and social work activities	25	15	40	11%
	S Other service activities	0	0	0	0%
	<b>Total</b>	<b>115</b>	<b>270</b>	<b>380</b>	
SME or not	Not SME	85	215	305	80%
	SME	25	50	75	20%
	<b>Total</b>	<b>115</b>	<b>270</b>	<b>380</b>	
Framework	Digital	115	110	220	58%
	Engineering and Advanced	0	160	160	42%
	<b>Total</b>	<b>115</b>	<b>270</b>	<b>380</b>	
Pathway	Cyber security management	30	10	40	11%
	Data science	35	15	50	13%
	Software engineering	50	80	135	36%
	Advanced Manufacturing	0	55	55	14%
	Chemical Engineering	0	5	5	1%
	Electrical / Electronic Engineering	0	35	35	9%
	Mechanical Engineering	0	60	60	16%
	<b>Total</b>	<b>115</b>	<b>270</b>	<b>380</b>	
Existing or new employee	Existing Employee	90	205	295	78%
	New Employee	20	65	85	22%
	<b>Total</b>	<b>115</b>	<b>270</b>	<b>380</b>	

Source: Data collected directly from Wales HE providers

#### Notes

New apprentice - apprentices starting in 2019/20 between 1 August 2019 and 15 November 2019

Continuing apprentice - apprentices starting in 2018/19 and continuing in 2019/20

For more definitions refer to 'Notes' sheet

HEFCW's data disclosure control methodology has been applied. This means that:

All numbers are rounded up or down to the nearest multiple of 5. Any number lower than 2.5 is rounded to 0. Halves are rounded upwards (e.g. 2.5 is rounded to 5).

Monitoring Reference periods are:

One: 01/08/2019 - 15/11/2019

Two: 16/11/2019 - 31/03/2020

Three: 01/04/2020 - 31/07/2020