



NEW

**TECHNICAL QUALIFICATIONS
IN DIGITAL**

NOVEMBER 2016

CONTENTS

- Challenges and opportunities
- The City & Guilds TechBac
- New technical qualifications:
 - Employer support
 - KS5 Level 2 What's available and when?
 - Design principles
 - KS5 Level 3 What's available and when?
 - Design principles
 - UCAS points
 - Upcoming technicals
- Assessment:
 - Level 2 assessment timeline
 - Level 3 assessment timeline
 - Support resources
 - Example assessment: synoptic
 - Example assessment: external test
- Next steps

CHALLENGES AND OPPORTUNITIES

IN DIGITAL

Each employee working in the tech industry contributes **£91,800** to the UK economy, compared to the average of **£51,300**.

Growth in tech specialist employment is forecast to be of a similar level both within/outside the tech industries (**28%** in each case) and by **2024** it is predicted that there will be **0.7m** tech specialists working within tech companies across the UK and **0.8m** in other types of businesses.

99% of employers expect to increase or maintain the number of tech specialists they employ during **2015**

Four out of every ten (**39%**) junior tech specialist roles are filled by individuals leaving full time education

An estimated **182,000** businesses in the UK experience skills gaps among their tech specialist staff

85% of hard-to fill Positions are difficult to recruit to because of a lack of tech specialist skills

**EACH EMPLOYEE
IN THE TECH
INDUSTRY
CONTRIBUTES
£91,800 TO THE
UK ECONOMY**

MEETING THE CHALLENGE

WITH THE CITY & GUILDS TECHBAC

TechBac is a unique combination of:

TECHNICAL SKILLS



WORKPLACE SKILLS

New employer recognised City & Guilds Technical Qualifications;

- Designed to meet the latest education reforms
- Relevant to industry needs
- Rigorous, high quality practical learning with outcomes in mind
- Supporting progress to Further Education, University or employment

City & Guilds Workplace Skills is a blended approach to developing transferable and social skills;

- Develop, accredit and showcase workplace skills, to enrich learners' CVs
- Help learners to feel confident and ready for work
- Track learner engagement and progress to optimise performance
- Aligned to changes in policy and digital delivery
- Support to embed in delivery

To create, recognise and award these attributes and behaviours, we have developed the **Skills Zone**, our gateway to Workplace Skills.

ROUNDED INDIVIDUAL WHO IS:

CONFIDENT, TALENTED, MOTIVATED AND READY TO WORK

THE TECHBAC EXPERIENCE

A HOLISTIC PROGRAMME DESIGNED FOR SUCCESS

KNOWLEDGE & UNDERSTANDING



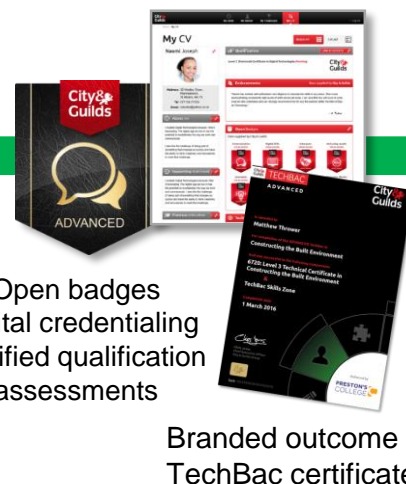
Technical Skills
Practical learning
(Technical Qualifications)

HANDS-ON EXPERIENCES



Professional Skills
Blended social learning
(Workplace Skills)

ASSESSMENT & CREDENTIALING



- Open badges
- Digital credentialing
- Certified qualification assessments

Branded outcome
TechBac certificate

Online CV
Share and showcase

OUTCOME



Targeted skills
Opening doors to university, apprenticeships or into a job

Work ready
With the skills employers need

A holistic and experiential approach making young people more employable.

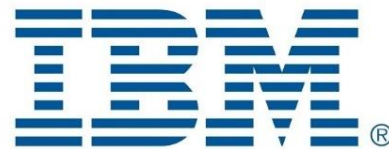
**NEW TECHNICAL
QUALIFICATIONS
IN DIGITAL**

Built to meet industry needs.

EMPLOYER SUPPORT

DESIGNED WITH LEADING EMPLOYERS

The following employers have provided letters of support for our new technical qualifications in Digital:



KS5 WHAT'S AVAILABLE AND WHEN?

KEY STAGE 5, LEVEL 2 - AVAILABLE FOR SEPT 2016 DELIVERY

Key Stage 5 (KS5) - Level 2

601/7371/3 Level 2 Technical Certificate in Digital Technologies – 360 GLH

Now approved to appear on 2018 DfE Performance Tables.

TECHNICAL QUALIFICATIONS

CERTIFICATE IN DIGITAL TECHNOLOGIES (LEVEL 2)

KEY STAGE 5 (16-18) (LEVEL 2) TECHNICAL CERTIFICATE



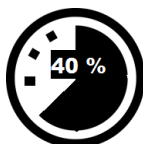
360 GLH (3 x GCSE)

Made up of 30, 60 and 90 GLH units

Progression: Enable entry to an apprenticeship, employment or progression to a Level 3 Technical Level Qualification.

GRADING: P/M/D/D*

Content: n% mandatory with pathways to focus on particular occupations



Assessment: 40% of the qualification content will be assessed externally, which includes synoptic assessment.

Employer involvement: In design, recognition, delivery and or assessment, which raises the credibility of the qualification in the eyes of employers, parents and learners

KS5 WHAT'S AVAILABLE AND WHEN?

KEY STAGE 5, LEVEL 3 AVAILABLE FOR SEPT 2016 DELIVERY

Key Stage 5 - Level 3

601/4513/4 Level 3 Advanced Technical Certificate in Digital Technologies – 360 GLH

601/4511/0 Level 3 Advanced Technical Extended Diploma in Digital Technologies (720) – 720 GLH

Now approved to appear on 2018 DfE Performance Tables.

TECHNICAL QUALIFICATIONS

CERTIFICATE IN DIGITAL TECHNOLOGIES (LEVEL 3)

KEY STAGE 5 (16-18) (LEVEL 3) TECHNICAL LEVEL



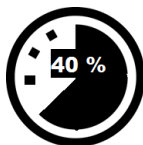
360 GLH

Made up of 30 and 60 GLH units

Progression: Enable entry to an apprenticeship, employment or progression to a Level 3 Extended Diploma Technical Level Qualification or higher education.

GRADING: P/M/D/D*

Content: 100% mandatory with broad breadth study to focus on particular occupations



Assessment: 40% of the qualification content will be assessed externally. Must include synoptic assessment.

Employer involvement: In design, recognition, delivery and or assessment, which raises the credibility of the qualification in the eyes of employers, parents and learners

UCAS POINTS

ENABLING PROGRESSION TO UNIVERSITY

Grade	Level 3 Advanced Technical Certificate (360)	Level 3 Advanced Technical Diploma (540)	Level 3 Advanced Extended Technical Diploma (720)
Distinction*	56	84	112
Distinction	48	72	96
Merit	32	48	64
Pass	16	24	32

OTHER QUALIFICATIONS

Grade	Level 3 Advanced Extended Project Qualifications	Using And Applying Mathematics (Core Maths)
A*	28	
A	24	20
B	20	16
C	16	12
D	12	10
E	8	6

A Level equivalent points

UCAS points	A Level
56	A*
48	A
40	B
32	C
24	D
16	E

- ✓ Adding Core Maths at Level 3 makes TechBac compliant with the Government's new technical baccalaureate measure.
- ✓ Funding uplift may apply

NEW TECHNICAL QUALIFICATIONS ASSESSMENT

Timeframes, support and examples.

CURRENT TIMELINE AND ASSESSMENT DATES

KS4/KS5 LEVEL 2 TECHNICAL AWARDS / CERTIFICATES

DATE	END EXTERNAL EXAM	SYNOPTIC ASSIGNMENT
FEBRUARY: WK OF: 1st FEB		SYNOPTIC ASSIGNMENTS RELEASED TO CENTRES
APRIL L2-25th	EXTERNAL END EXAM	
MAY: EXAM-WK OF: L2-30th SYN- WK of: 23 MAY	RESULTS OF 1 st EXTERNAL EXAM	SUBMISSIONS OF MARKS FOR SYNOPTIC ASSIGNMENT & OPTIONAL UNIT EVIDENCE
JUNE L2- 27th	2 ND EXTERNAL END EXAM WINDOW	
JULY L2- 4th		SYNOPTIC ASSIGNMENT MARKS CONFIRMED AND GRADES AWARDED
JULY/AUG L2 – 1st AUG	RESULTS OF 2 ND EXTERNAL EXAM	

CURRENT TIMELINE AND ASSESSMENT DATES

LEVEL 3 TECHNICAL LEVEL QUALIFICATIONS

DATE	END EXTERNAL EXAM	SYNOPTIC ASSIGNMENT
FEBRUARY: WK OF:1st FEB		SYNOPTIC ASSIGNMENTS RELEASED TO CENTRES
APRIL L3-18th	EXTERNAL END EXAM	
MAY: EXAM-WK OF: L3-23th SYN- WK of: 23 MAY	RESULTS OF 1 st EXTERNAL EXAM	SUBMISSIONS OF MARKS FOR SYNOPTIC ASSIGNMENT & OPTIONAL UNIT EVIDENCE
JUNE L3 20th	2 ND EXTERNAL END EXAM WINDOW	
JULY L3 – 4th		SYNOPTIC ASSIGNMENT MARKS CONFIRMED AND GRADES AWARDED
JULY/AUG L3 – 25th JULY	RESULTS OF 2 ND EXTERNAL EXAM	

SUPPORT RESOURCES

WHAT'S AVAILABLE AND WHERE?

DOCUMENTATION AVAILABLE NOW

- Qualification Handbooks
- Sample synoptic assessments
- Sample external end tests

All available on qualification pages at cityandguilds.com

QUALIFICATION SUPPORT RESOURCES

- SmartScreen
- Schemes of work – Level 3 Infrastructure, Applications and Web/SM

ASSESSMENT EXAMPLE - SYNOPTIC

LEVEL 2 TECHNICAL AWARD

Assignment

In this assignment you will need to analyse information, conduct further research and provide guidance and advice aimed at young users in the form of a website and an evaluative report.

You will complete the assignment tasks by:

- researching online safety and data law
- analysing and publishing research data
- providing guidance and advice to young users
- creating a report evaluating processes and findings

ASSESSMENT EXAMPLE – EXTERNAL TEST

LEVEL 2 TECHNICAL AWARD

1	
Which network topology provides the greatest redundancy and is difficult to troubleshoot?	
Answer Mesh	
Test spec reference: 201 – 2.2	Total marks: 1

2	
Which term describes a network that is made up of devices that communicate over very short distances typically using a Bluetooth device?	
Answer Personal area network (PAN)	
Test spec reference: 201 - 2.2	Total marks: 1

3	
3a. List two different types of application software.	
Answer: Any two of	
<ul style="list-style-type: none">• Database• Spreadsheets• Presentation software• Word Processing• Web authoring software	
3b. Name the file extensions associated with the software applications that you have listed in question 2(a).	
Answer: 1 mark for each file extension stated	
<ul style="list-style-type: none">• .psd (Photoshop)• .pdf (Acrobat)• .docx (MS Word)	

STAY IN TOUCH

TALK TO US

1 TALK TO YOUR BUSINESS MANAGER

2 JOIN THE LINKEDIN COMMUNITY: TECHBAC DEVELOPMENT & DISCUSSION

3 REGISTER FOR AN EVENT (WE RUN SECTOR EVENTS, ADVANCE EVENTS AND CONSULTATIONS)

REGISTER FOR UPDATES AT

[CITYANDGUILDS.COM/TECHBAC](https://www.cityandguilds.com/techbac)