

NFEC network

June 2015

christine.hepworth-james@pearson.com

Development of the 2016 BTEC Nationals in Engineering

New titles and purposes

- 360 GLH BTEC National *Extended Cert* in Engineering = **Applied General**
- 540 GLH BTEC National *Foundation Dip* in Engineering = **Applied General**
- 720 GLH qualifications below = **Technical Level**
- 1080 GLH qualifications below = **Technical Level**

- *Diploma* qualification titles (x7) at 720 GLH
 - BTEC National in Engineering
 - BTEC National in Manufacturing Engineering
 - BTEC National in Aeronautical Engineering
 - BTEC National in Computer Engineering
 - BTEC National in Electrical and Electronics Engineering
 - BTEC National in Mechanical Engineering
 - BTEC National in Automotive Engineering

- *Extended Diploma* qualification titles (x7) at 1080 GLH – Titles same as 720 GLH

The structure in numbers

Qualification	Total Units	Mandatory Units	Optional Units
<i>BTEC Ext Cert</i>	4	3	1
<i>BTEC Foundation Dip</i>	6	4	2
<i>BTEC Dip</i>	10	5*	5**
<i>BTEC Ext Dip</i>	15	7*	8**

* Mandatory units within the Diploma and Extended Diploma may also include an additional Pathway Mandatory unit

** Where additional Pathway Mandatory units exist then the number of optional units required will be reduced

Assessment

- There are a total of 3 externally assessed units
 - Engineering Principles (Maths, Electronic and Mechanical Principles) – *Paper Based Test*
 - Engineering Products and Design – *Case Study/Practical Task*
 - Microcontroller Systems for Engineers – *Case Study/Practical Task*
- The first 2 units will be completed across all sizes with the Microcontrollers unit being mandatory for the Extended Diploma only (1080 glh)
- The remaining units are all internally set and assessed

Further Information

- Operational Start Date for Qualifications will be 1st September 2016
- Draft specifications and draft assessments will be available from September 2015
- Webinars are planned for July to be held with providers to discuss the structure in more detail
 - 10th July 10-11am
 - 10th July 2-3pm
 - 17th July 10-11am
 - 17th July 2-3pm(all webinars are subject to minimum numbers)
- For further information or to book a webinar please contact bryony.leonard@pearson.com

BTEC Nationals 2016

- Technical Baccalaureate measure to include:
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- **Technical level qualification**
- Extended Project
- **L3 maths (i.e. AS/A level or Core maths)**
- **List of approved TL qualifications to be published November 2015**

Higher Nationals review and consultation

- Current spec extended to December 17
- Proposed 2016/17 first teaching of revised HN Engineering
- Invitation to engage with us and help shape the new HN Engineering
- **HN Global** – new digital community and on-line library for students and tutors.
- Also be aware of current minimum English language [requirements](#).

BTEC First L2/1 qualifications on the Technical Certificate list for 2017 reporting, and therefore also funded for 19+ learners in 2014 and 2015

QUAL AIM	TITLE	GLH
600/6630/1	Extended Certificate in Engineering	360
601/0545/8	Diploma in Engineering	480
601/0258/5	Extended Certificate in Construction and the Built Environment	360
601/0259/7	Diploma in Construction and the Built Environment	480

Additional L2 qualification

- Pearson BTEC Level 2 Extended Certificate in Engineering
- (Specialist: Manufacturing Engineering) (QCF)
- 30 credits – 180 GLH 500/8270/X
- Qualification is also the Tech Cert. for a number of Intermediate Apprenticeships, i.e. Engineering Manufacture (Operator and Semi-skilled) (England) and Improving Operational Performance
- Units from QCF BTEC L2 Diploma in Engineering (500/7576/7)

Thank you & Questions

