Competition brief

Competition title and level

Industrial Electronics (Advanced)
Venue – Coleg Gower 14/1/2019
Venue – Coleg Cambria - Deeside 16/1/2019

Entry requirements

The competition is intended for students, apprentices studying towards a level 3 electronics qualification.

Competition outline

Stage one: Applicant registrations completed online by 20/10/18 (http://www.skillscompetitionwales.ac.uk).

Stage two: Internal qualifying / selection process with partner institutions. Sample work will be forwarded to partner institutions.

Stage three: Competitors selected from each institution maximum of SIX per institution. This depends on the confirmed take up from partner institutions.

Stage four: Welsh Industrial Electronics (Advanced) Competition held at Coleg Gower **14/01/19.**
Welsh Industrial Electronics (Advanced) Competition held at Coleg Cambria - Deeside, **18/01/19.**

The detail

Form G

Ariennir gan
Lywodraeth Cymru
Funded by
Welsh Government

The all Wales final will have four tasks:

Task A: Construction of an Electronic Clock

Task B: Theory

Task C: Fault Finding

Task D: Test and measurement

Marking and assessment

Marking will be undertaken by the judges and candidates will be informed of the results on the day. The marking structure will be as set out in the following table:

Element	Description	Max Marks
Task A	Construction	25
Task B	Theory	25
Task C	Fault finding	25
Task D	Test and measurement	25
	Total Marks	100

Competition rules

Form G

- All competitors will receive a health and safety briefing at the start of the competition and these rules must be adhered to throughout the competition
- Competitors who arrive late for the competitions will not normally receive additional time.
- Competitors will start and finish work as instructed by the judges.
- During the competition, competitors should not disturb other competitors or speak to members of the public.
- Any competitor who wishes to leave the area during the competition must seek the permission of the judges.
- Competitors will not be allowed contact with tutors/coaches during the live competition. Noncompliance with this may result in disqualification.
- If there is a power stoppage or accident, the competitors must act according to the instructions of the judges
- Competitors who break or damage equipment during the competition will not receive any additional time.
- The competition will be assessed and marked by a panel of judges (from industry, colleges or training providers) using the competition criteria and allocation of marks.

Contact details

For further advice about the competition contact:

Rob Barr Robert.barr@cambria.ac.uk
Peter Jones peter.jones1@cambria.ac.uk
Salah Berdouk salah.berdouk@cambria.ac.uk
Steve Williams Steve.williams@gowercollegeswansea.ac.uk

Form G

Teitl a lefel y gystadleuaeth
Electroneg Ddiwydiannol (Uwch) Coleg Gower 14/1/2019 Coleg Cambria - Deeside 16/1/2019

Gofynion mynediad
Bwriedir y gystadleuaeth ar gyfer myfyrwyr, prentisiaid sy'n astudio tuag at gymhwyster electroneg lefel 3.

Amlinelliad o'r gystadleuaeth
Cam un: Cofrestriadau ymgeiswyr wedi'u cwblhau erbyn 20/10/18 (http://www.skillscompetitionwales.ac.uk). **Cam dau:** Proses cymhwyso / dethol mewnol gyda sefydliadau partner. Bydd gwaith sampl yn cael ei anfon ymlaen at sefydliadau partner. **Cam tri:** Cystadleuwyr yn cael eu dewis o bob sefydliad, uchafswm o CHEWCH fesul sefydliad. Mae hyn yn dibynnu ar gadarnhad nifer yr unigolion o sefydliadau partner sy'n cyfranogi. **Cam pedwar:** Cystadleuaeth Electroneg Ddiwydiannol (Uwch) Cymru yng Ngholeg Cambria - Glannau Dyfrdwy, **17/01/19.**

Y manylyn

Ffurflen G

Bydd rownd derfynol Cymru gyfan â phedair tasg:

Tasg A: Adeiladu Cloc Electronig

Tasg B: Theori

Tasg C: Canfod Diffygion

Tasg D: Profi a mesur

Marcio ac asesu

Bydd y beirniaid yn marcio a bydd ymgeiswyr yn cael gwybod am y canlyniadau ar y diwrnod. Bydd y strwythur marcio fel y nodir yn y tabl canlynol:

Elfen	Disgrifiad	Uchafswm Marciau
Tasg A	Adeiladu	25
Tasg B	Theori	25
Tasg C	Canfod Diffygion	25
Tasg D	Profi a Mesur	25
	Cyfanswm Marciau	100

Rheolau'r gystadleuaeth

Ffurflen G

- Bydd yr holl gystadleuwyr yn cael sesiwn briffio iechyd a diogelwch ar ddechrau'r gystadleuaeth a rhaid cadw at y rheolau hyn trwy gydol y gystadleuaeth

- Fel arfer, ni fydd cystadleuwyr sy'n cyrraedd yn hwyr i'r cystadlaethau yn cael amser ychwanegol.

- Bydd y cystadleuwyr yn dechrau ac yn gorffen gwaith fel y cyfarwyddir gan y beirniaid.

- Yn ystod y gystadleuaeth, ni ddylai cystadleuwyr aflonyddu ar gystadleuwyr eraill na siarad ag aelodau o'r cyhoedd.

- Rhaid i unrhyw gystadleuydd sy'n dymuno gadael yr ardal yn ystod y gystadleuaeth geisio caniatâd y beirniaid.

- Ni chaniateir i gystadleuwyr gysylltu â thiwtoriaid/hyfforddwyr yn ystod y gystadleuaeth fyw. Gall anghydffurfiad â hyn arwain at gael eich diarddel.

- Os bydd toriad pŵer neu ddamwain, rhaid i'r cystadleuwyr weithredu yn unol â chyfarwyddiadau'r beirniaid

- Ni fydd cystadleuwyr sy'n torri neu'n difrodi offer yn ystod y gystadleuaeth yn derbyn unrhyw amser ychwanegol.

- Bydd y gystadleuaeth yn cael ei hasesu a'i marcio gan banel o feirniaid (o'r diwydiant, colegau neu ddarparwyr hyfforddiant) gan ddefnyddio'r meini prawf cystadleuaeth a dyrannu marciau.

Manylion cyswllt

I gael rhagor o gyngor am y gystadleuaeth, cysylltwch â:

Rob Barr Robert.barr@cambria.ac.uk
Peter Jones peter.jones1@cambria.ac.uk
Salah Berdouk salah.berdouk@cambria.ac.uk

Ffurflen G