



ICE Update

ACED Conference, Thursday 5 September 2024

Highlighted topics

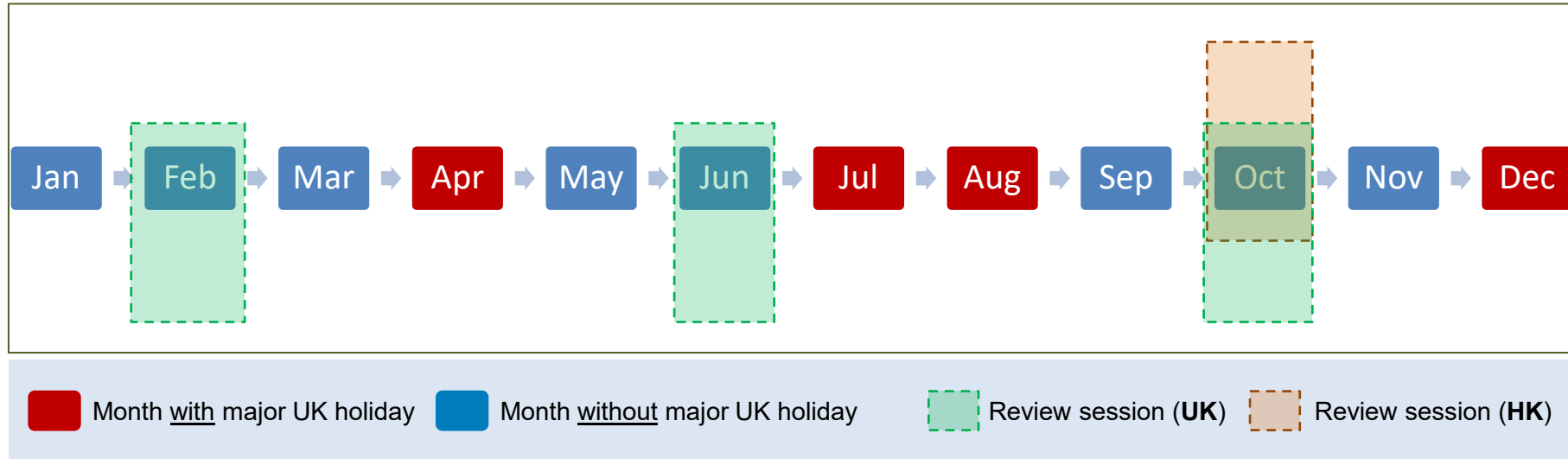
- Professional Reviews
- Apprenticeship End Point Assessments (EPAs)
- Infrastructure Engineer
- AHEP4 and accredited MScs
- Engineering Accreditation Board
- Support from ICE



Professional review trends at ICE

Session updates, medium term trends, importance of EPAs

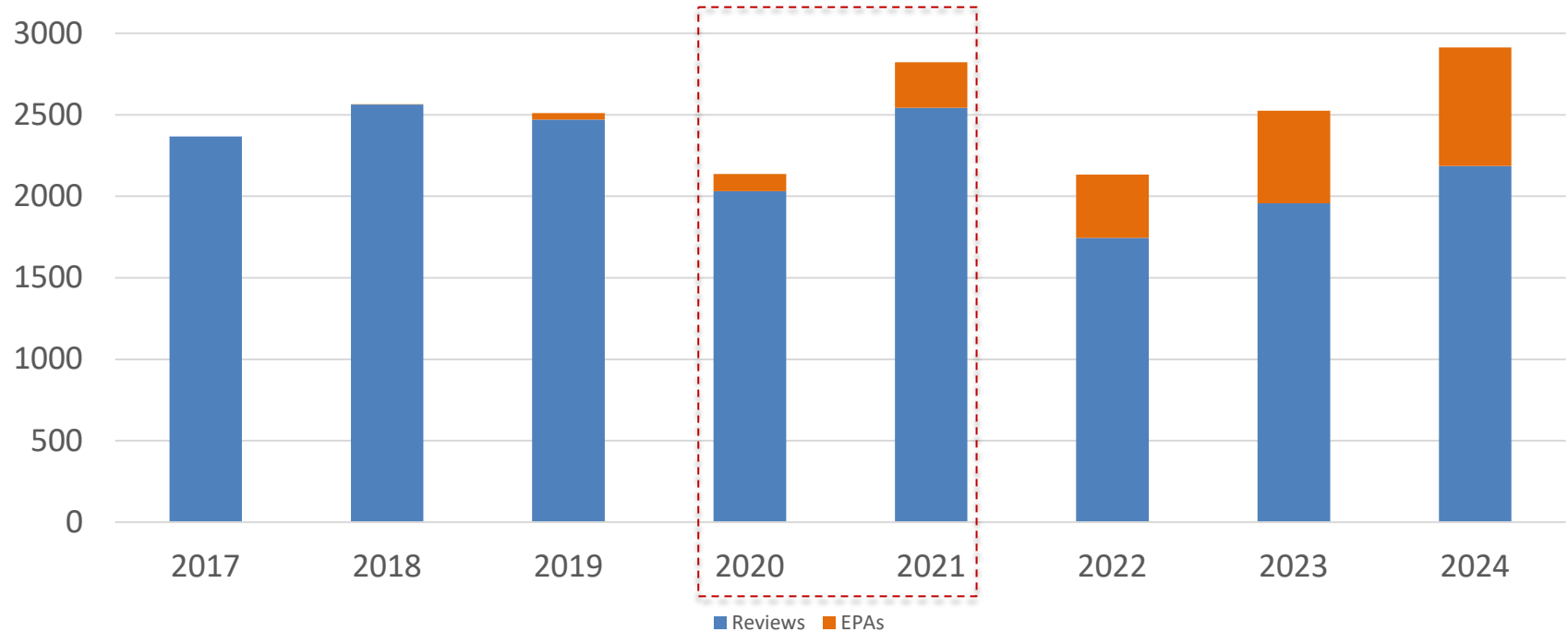
A new review session timetable started in June



The overall pattern will be reviews sessions every four months, including an in-person session in Hong Kong

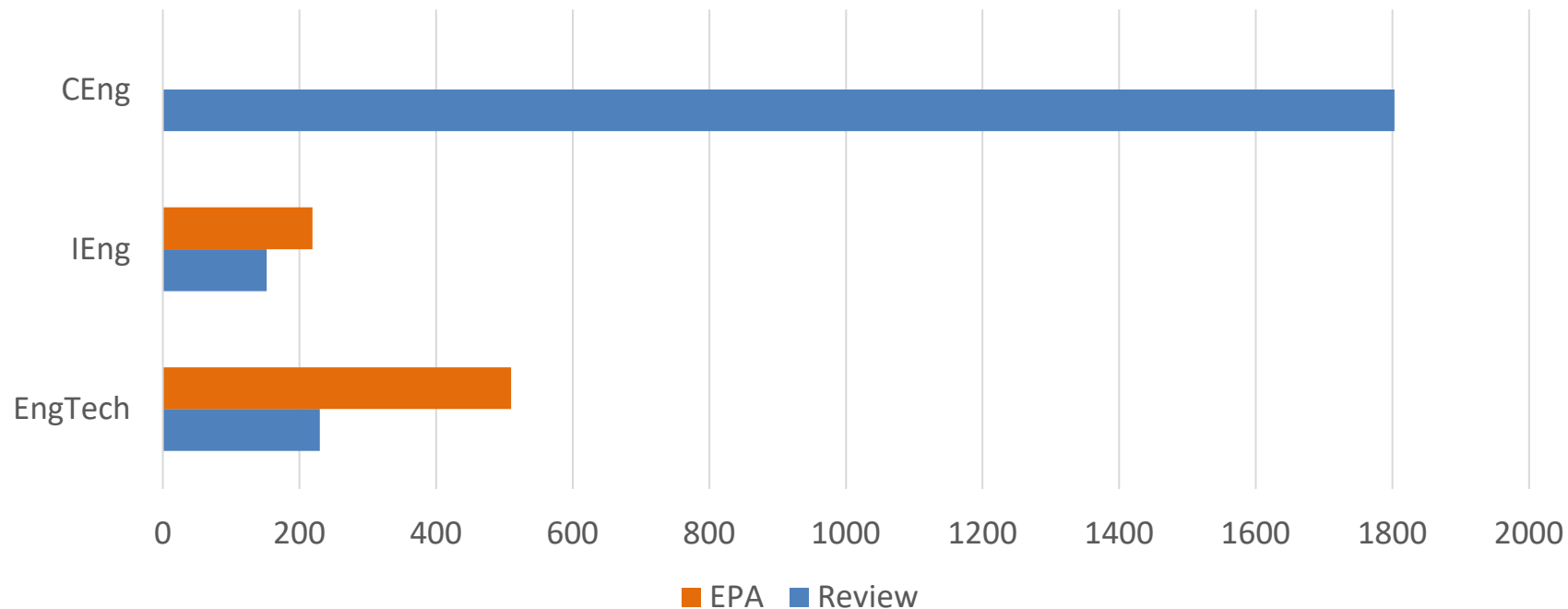


Review / EPA applications trends at ICE





Breakdown by review level / type in 2024



More on apprenticeships in England

Integrated degree apprenticeships and new ICE contracts

Integrated degree apprenticeships



IfATE has published a new civil engineering degree apprenticeship [standard](#) for England with a start date of February 2025



The award of the degree will be linked to the award of the apprenticeship



Universities will act as the EPA Organisation, but they must appoint **independent assessors.**

Integrated degree apprenticeships

Independent assessors must ...

Have PEI membership at IEng or CEng level;

Be a PEI professional reviewer; and

Be professionally active and maintain their CPD.

ICE's Apprenticeship Manager **Richard Davis** will be consulting with training providers on assessors, data sharing, and registration processes

Changes to ICE's EPA contracts

Fees set when the apprentice starts on programme

Option to negotiate EPAs outside main ICE sessions

ACE360 to submit applications



Infrastructure Engineers

Updates

Infrastructure and civil engineering

ICE has two titles protected by Royal Charter:

- ⇒ **Chartered Civil Engineer** granted in 1928 and
- ⇒ **Chartered Infrastructure Engineer** granted in 2022.

ICE is adopting the terms **infrastructure engineer** and **infrastructure engineering technician** to recognise engineering professionals who deliver infrastructure alongside civil engineers and civil engineering technicians.

The first Chartered Infrastructure Engineer title was awarded in October 2023 to **Chris Lansburgh**, who specialises in decarbonising infrastructure.

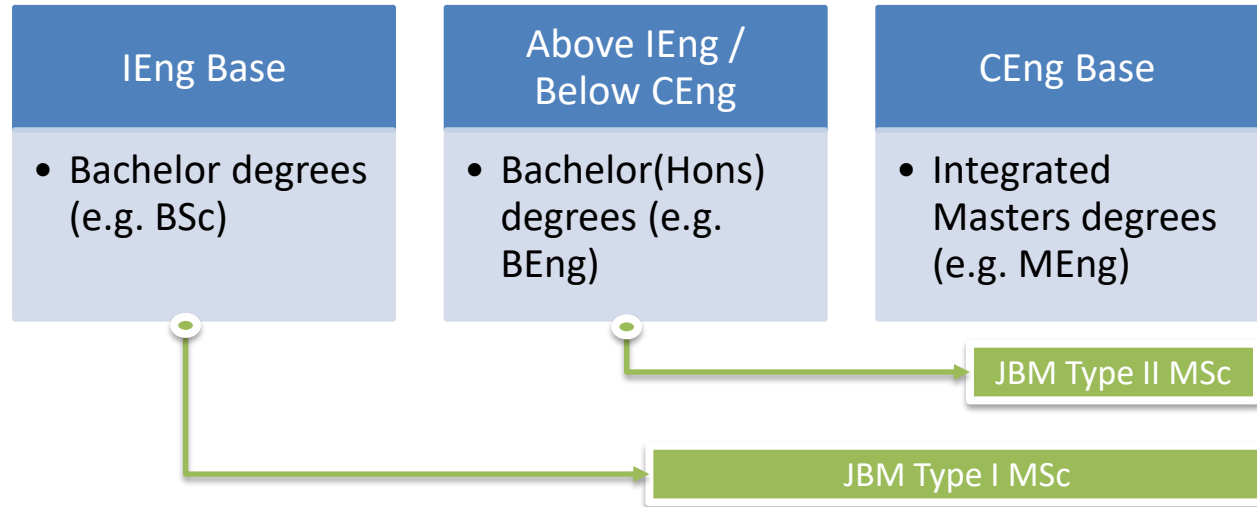


IEs and CEs are assessed to the same standards using the same assessment processes

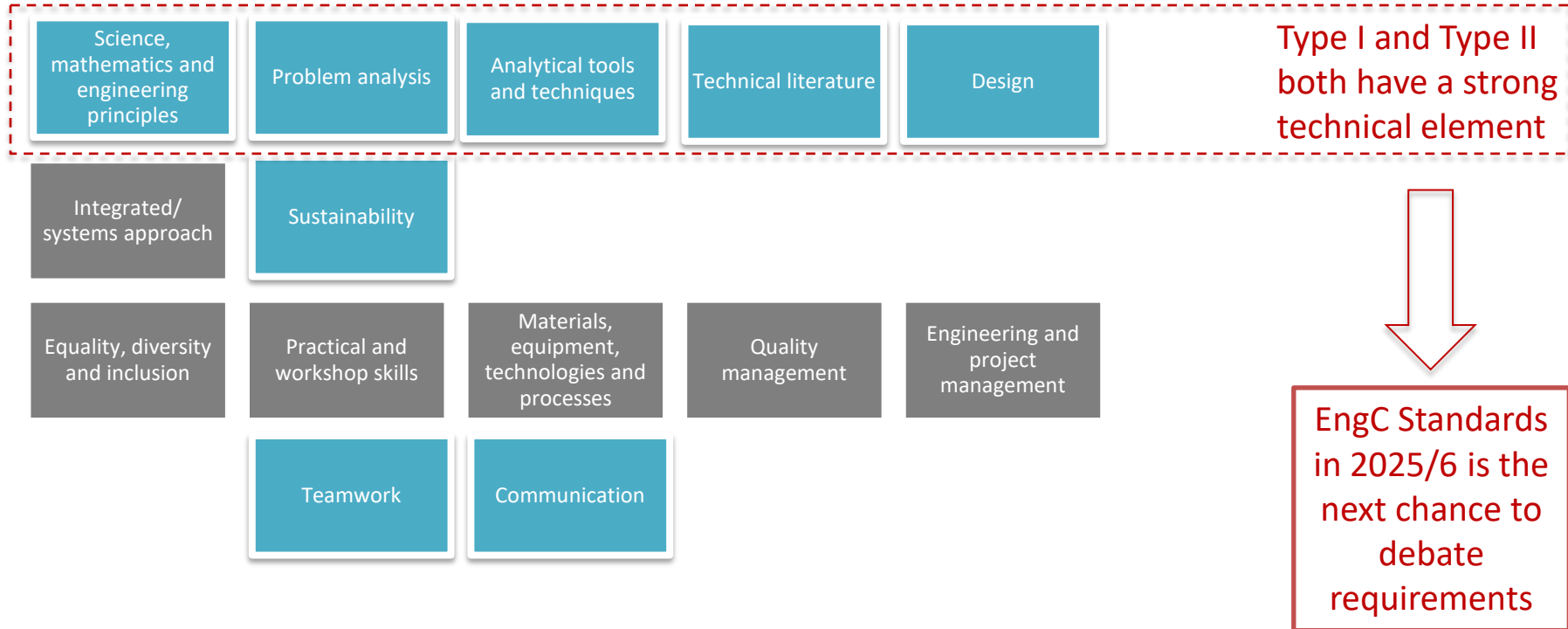
AHEP4 and accredited MScs

Thoughts on 'technical' and 'non-technical' MScs

Degree types / bases for registration



AHEP4: 14 LOs for Type I / 8 for Type II



Engineering Council matters

Changes to the Engineering Accreditation Board (EAB)

EAB morphs into 3 new entities

Education and Skills Advisory Forum

To advise Engineering Council on education and skills policies and on standards and licensing

Programme Recognition Forum

To share PEI practice on the recognition of programmes against AAQA and AHEP

Joint Accreditation Service

Proposed successor to the Engineering Accreditation Board (EAB), led by IET

Support from ICE

How we can support students and academics

How we can support students

Advice for students

If you're doing an engineering apprenticeship, degree or higher qualification, there's a lot of support you can get while you're studying.

Background, gender and age are no barrier. If you want to be a civil engineer, have the right academic subjects and attitude you can start making your career choices right here.

Enrich your curriculum while studying at university (18 years and over)

You can start by becoming an ICE student member for free.

As a student member you can:

- Follow the **Five activities per year** programme: a series of actions to take to progressively build your CV and relation with the Institution of Civil Engineers. You will be a step closer to your professional qualification, after graduation.
- Get advice and support to help you make the right career choices and prepare for a future in civil engineering. An ICE MDO (membership development officer) will be visiting your University to provide this support.
- You can record any work experience you gain during your studies and give yourself an advantage by having it assessed before you complete your course. You should progressively record your experience on the **Attributes achievement form for students** which will give you a head start in achieving professional qualification with ICE. If your placement employer or University assigns you an ICE mentor or Supervising Civil Engineer (SCE) you are then even able to use the **ICE online system** to record your experience.



• What

- ICE promotes **FREE student membership** for all civil engineering students (undergraduates, postgraduate, apprentices)
- Regular visit(s)** by ICE staff (UK and overseas campuses)
- Global online presentations
- Pre19 promotion (cityZen, STEM ambassador,...) to assist with recruitment
- Curriculum enrichment programme** for students:
 - Yearly programme of CPD (ICE Universities series)
 - monthly "Career talks" by graduate members- all disciplines
 - Bitesize on sustainability, HSW, digital literacy, ethics
- Early start of professional training:** work experience records

• Why

- Active support to **pipeline into industry**
- Foster a sense of belonging to the civil engineering community
- Assist civil engineering department in **enriching students' experience** and curriculum
- Ensure students understand the importance of **becoming professionally qualified** while they are at your universities



How we can support you

- ICE academic membership
 - **Online membership application support** for academics
 - Visits and **surgeries**
 - Membership application guidance course with **academic mentors**
 - Free student membership for PhD students
- Industry contact
 - Database of your alumni: over 97,000 members
 - IAB participation
- CPD for academics
 - Resources on dedicated pages on ICE website
 - Newsletters tailored to specific interests
 - Industry updates
 - Knowledge sharing/ involvement / input
- Support to research
 - **Opportunity for involvement** with knowledge groups
 - Research and development funds.
- Open/ Career days marketing hub

What else? Elena.Rinaldi@ice.org.uk



The view is better from the **TOP**

ICE student membership is free! Sign up at ice.org.uk/students

