

The Importance of Employability Skills

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What is industry generally NOT looking for?

Maths
graduates!

Specific
mathematical
knowledge



Take a fresh look at the UG mathematics curriculum to make sure it is still **relevant**.



Increase the number of **vocational mathematics modules & assessments** within the HE mathematics curriculum to provide **transferable skills**



Set **new forms of assessment** to help graduates succeed in the workplace.



Provide graduates with **training in statistics and data manipulation** to ensure they have the skills necessary for the “data revolution”.

What to
include in the
curriculum?

Minimum

- Team work
- Programming skills (preferably R or Python)
- Opportunities to develop presentation skills
- Report writing based on case study or modelling
- Problem solving
- Information on different careers
- Help with CVs and job applications

Useful

- Advanced Excel including writing Macros and SQL
- Knowledge of ML algorithms
- Opportunities for networking
- Time-limited assessments
- Cross-discipline assessments/projects
- Work-based placements/projects

Possible discussion points

What is in the curriculum but doesn't need to be?

What is not in the curriculum and should be (programming/coding)?

How can you change assessments to include activities such as group work, communication skills, adaptability, business awareness?

How will you communicate this to students so they understand what they have done and can articulate this at interview?