

# Translational Research Through Changes in Tertiary Science and Engineering Education

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# Translational Research

Translating research into practice: critical link in innovative supply chain of products and services

# TR in Tertiary Education

Effectiveness of  
translational research:  
enhanced if nurtured in  
tertiary education

# Science Degrees

Philippine undergraduate tertiary science education includes a course on conducting research.

# Engineering Degrees

Philippine tertiary engineering education includes major design that considers multiple constraints (i.e. cost, safety, environment, sustainability).

# Engineering Degrees - 2

Designs: more innovative if informed by TR, more relevant if concentrated on global issues.

# New Tertiary Education, 2018

Philippine science and engineering education: opportunity to imbed TR in the baccalaureate degree programs.

- ◆ Science: focus research courses towards TR.
- ◆ Engineering: require TR courses and link to innovations in design.

# Concluding Remarks

- Full cycle of R & D: more likely to be realized by strengthening the TR link in the research chain
- S & T workforce: sensitized to innovations and disruptive technologies by including TR in their education