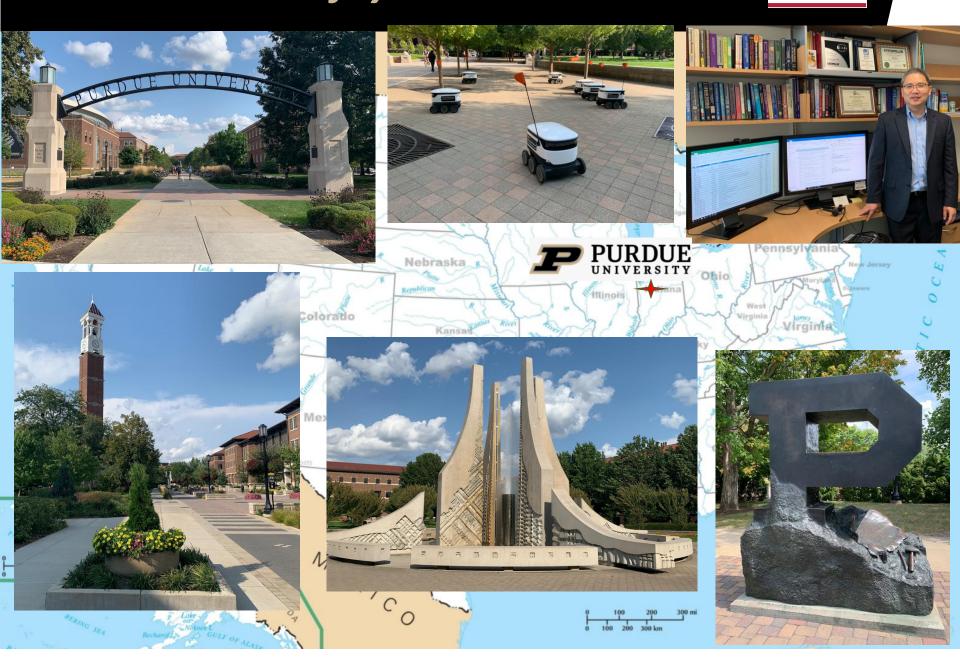
Purdue-NYCU 3+1+1 BSMS Program

Ben Fong, Ph.D., P.E., CSSBB, ASQ-CQE

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Purdue: West Lafayette 2021-Present



Purdue IE – NYCU IEM 3+1+1 BSMS

NYCU-IEM UG degree – completed your 4th year at Purdue U., West Lafayette, IN, U.S.A. (Max. 12 credits earned (one 400-level course), could be transferred towards the MSIE degree)

Purdue-IE MS degree (30 credits) – completed your 5th year at Purdue U. (Only leave with 18 credits to complete the MS degree. Two options:

- 1) MSIE-Thesis (Research Focus, 9 credits for MS Thesis); or
- 2) MSIE-PMP (Industry Practice, 9 credits for PMP Capstone).





Purdue IE – NYCU IEM 3+1+1 BSMS

A maximum of 10 NYCU-IEM students will be admitted to this program annually.

Tuition and expenses: NYCU students will pay out-of-state tuition fees, and living expenses during their studies at Purdue.

Submit an application package by March 1 and forward list of candidates to Purdue by April 1. (TOEFL/similar, GRE (option), NYCU transcript, SOP, resume)

Evaluate NYCU applicants in-person and/or virtually (month of April)



Academic Research Focus/Challenges

https://engineering.purdue.edu/IE/Research/index_html#rework

GRAND CHALLENGES



DIGITAL TWIN - INDUSTRIAL
OPERATIONS

ENERGY & SUSTAINABILITY

SPACE

IE COMPUTES

21ST CENTURY HUMAN DEVELOPMENT stri

RESEARCH AREAS



DECISION MAKING,
COGNITION
& HUMAN PERFORMANCE

NEXT GENERATION PRODUCTS & SERVICES

COMPUTATIONAL IE

SYSTEMS & NETWORKS

ACADEMIC PILLARS



HUMAN FACTORS

MANUFACTURING

PRODUCTION SYSTEMS

OPERATIONS RESEARCH

Industry PMP Capstone Challenges

https://engineering.purdue.edu/IE/academics/graduate/masters/non-thesis/professional-masters-program



Program Highlights!

The Professional Master's Program (PMP) provides graduate-level technical education, with a focus on professional skills development that meets the needs of globally dispersed industrial enterprises.

The program provides students with the technical skills they would acquire in a traditional master's program, but also develops skills needed in industry, such as leadership and management skills, professional communications, client engagement skills, and managing projects.

This program is great for students continuing to build on their undergraduate education and for those with industry experience. This flexibility ensures that all students, regardless of their prior experience, can benefit from the program and develop the skills they need to succeed.

- Flexible MSIE Study Plan!
- Finish in 9 months or up to 24 months.
- Multiple Industry Sponsored Capstone Projects: Up to 1 year combined internship and co-op experience.
- Advanced IE Courses: 21 Credits + Professional Consulting Training.
- Connections with Corporate Executives and Senior Management!
- · Opportunity to receive PMP Outstanding Award

