

New Curriculum or Curricular Change EFD Template



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College of Engineering

Engineering Faculty Document

No.: 23-26

July 14, 2025

TO: The Engineering Faculty

FROM: The Faculty of the Elmore Family School of Electrical and Computer Engineering

RE: New Engineering Non-Credit to Credit Pathway

The Faculty of the Elmore Family School of Electrical and Computer Engineering, the School of Mechanical Engineering, and the School of Aeronautics and Astronautics has approved the following new non-credit to credit pathway from the College of Engineering. This action is now submitted to the Engineering Faculty with a recommendation for approval.

TITLE:

NCKU 3+1+1 Program - Non-Credit to Credit Pathway

DESCRIPTION:

Purdue has a 3+1+1 program with NCKU in Taiwan. Through this program, students spend their first "+1" year at Purdue, taking Purdue courses to 1) finish their BS from NCKU and 2) begin completing credits to be applied to the MS. In the second "+1" year, students are completing the MS.

Some of these students take online graduate-level courses in non-credit format through Purdue Online in their "3" year while at NCKU; see the diagram in Figure 1.

This non-credit to credit pathway will allow students who took Purdue courses in their "3" year to use these courses toward the Master's degree.




Programs involved: ECEN-MSECE, ME-MSME, AAE-MSAAE

See Figure 2 on the following page for the course list; this list represents courses students have taken to date in the "3" year.

RATIONALE:

This pathway would allow these online courses to be added to the students' transcripts and allow students admitted to the respective MS programs to use these credits toward

the MS per each department's degree requirements and policies of the Office of Vice Provost for Graduate Students and Postdoctoral Scholars.

Milind Kulkarni, Michael and Katherine Birck Head and Professor of Electrical and Computer Engineering

Eckhard Groll, William E. and Florence E. Perry Head of Mechanical Engineering

William Crossley, Uhrig & Vournas Head of Aeronautics and Astronautics


Link to Curriculog entry:

<https://purdue.curriculog.com/proposal:30727/form>

Figure 1: Program diagram

NCKU 3+1+1 Program

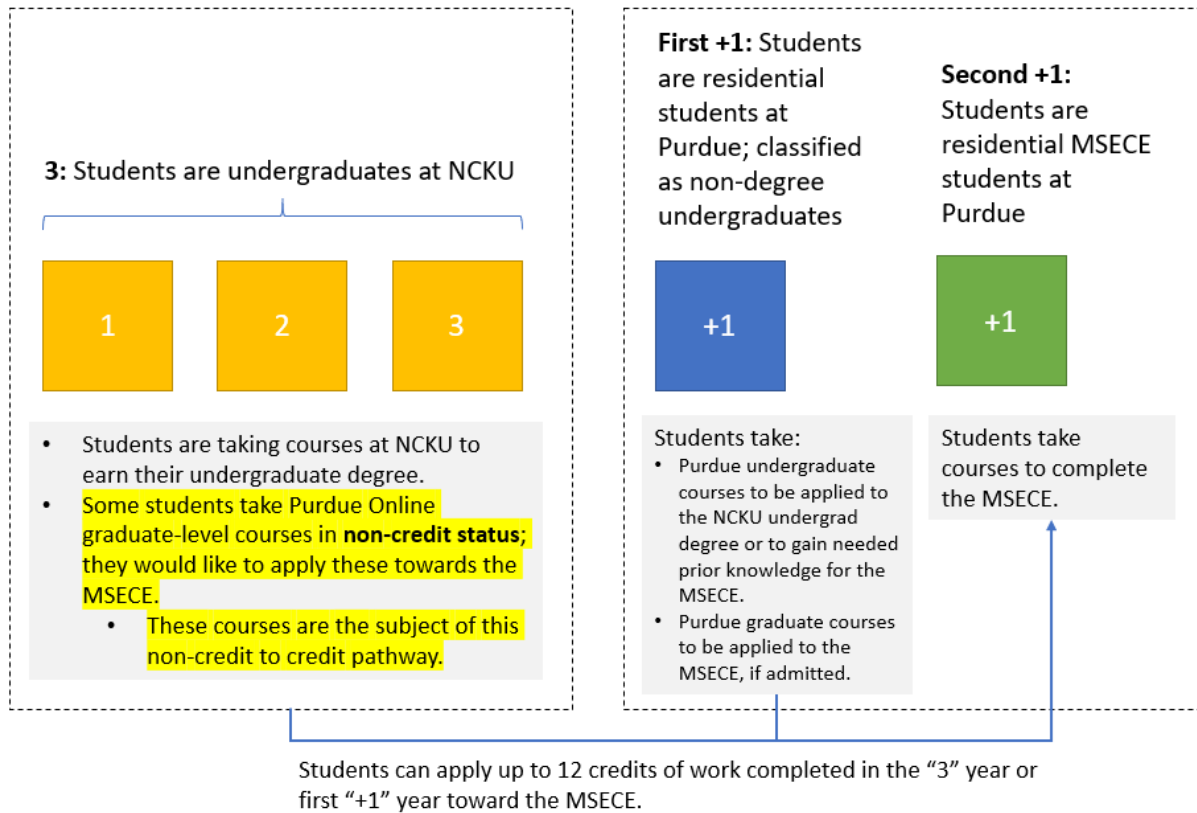


Figure 2: List of courses to be included in this non-credit to credit pathway.

Name of Non-Credit Course (Full Title)	Purdue Graduate Course Equivalency (Course Number)	Number of Credits for Equivalent Course	Minimum Non-Credit Grade (%-if applicable; or other required assessment mechanism)
MA 51100 Linear Algebra	MA 51100 Linear Algebra	3	Final grade of B or higher
ME 597000 Intro to Electronics Packaging and Heterogeneous Integration	ME 597000 Intro to Electronics Packaging and Heterogeneous Integration	3	Final grade of B or higher
ECE 59500 Essentials of Transistors	ECE 59500 Essentials of Transistors (This course has been assigned a permanent number: ECE 50642)	1	Final grade of B or higher
ECE 60800 Computational Models and Methods	ECE 60800 Computational Models and Methods	3	Final grade of B or higher
ECE 69500 Intro to Math for Systems & Control Theory	ECE 69500 Intro to Math for Systems & Control Theory (This course has been assigned a permanent number: ECE 60281)	1	Final grade of B or higher
ECE 54700 Intro to Computer Communication Networks	ECE 54700 Intro to Computer Communication Networks	3	Final grade of B or higher