

TO: The Engineering Faculty

FROM: The Faculty of the Weldon School of Biomedical Engineering

RE: Requisite Changes to BME 22000, BME 38900, BME 43100, and BME 45000

The faculty of the Weldon School of Biomedical Engineering have approved the following requisite changes to an undergraduate course. This action is now submitted to the Engineering Faculty with a recommendation for Fast Track approval.

Prerequisite changes for the courses BME 38900, BME 43100, and BME 45000 were updated and approved by the ECC in October 2023 (EFD 34-24). However, the implementation of these approved changes in Curriculog now means that students who completed the previous prerequisites (before October 2023) all require overrides. This current EFD therefore reflects a correction to prerequisite courses to enable students who took the prerequisites both before and after the October 2023 changes to register for these courses without requiring overrides during this transitional period.

The table below summarizes the prerequisites for BME 38900, BME 43100, and BME 45000 before the October 2023 changes, after the October 2023 changes, as well as what we are requesting in this EFD. This table contains the same information as in the more detailed descriptions below and changes are highlighted.

Prerequisite changes for the course BME 22000 reflect a necessary change to the biology prerequisite to account for changes in the Biology department course offerings: BIOL 23000, which was the previous requirement, is no longer going to be reliably offered, so BIOL 23100 is being added as an alternative.

This action is now submitted to the Engineering Faculty with a recommendation for approval.

Course number	Prerequisites prior to October 2023 (OLD prereqs)	Prerequisites after October 2023 (NEW prereqs, currently implemented in Curriculog)	Requested Curriculog implementation (OLD OR NEW prereqs)
BME 389	(BME 20600) and (BME 20700) and (BME 20500) and (BME 20100) and	(BME 21401) and (BME 23101) and (BME 32001) and (BME 32000) and	(BME 21401 or BME 20600) and (BME 23101 or BME 20700) and (BME 32001 or BME 20500) and (BME 20100 or BME 32000) and

	(BME 20200 or ME 20000) and BME 39000 [may be taken concurrently] and (STAT 35000 [may be taken concurrently] or STAT 51100 [may be taken concurrently])	(BME 20200 or ME 20000) and BME 39000 [may be taken concurrently] and (STAT 35000 [may be taken concurrently] or STAT 51100 [may be taken concurrently] or BME 32200 [may be taken concurrently])	(BME 20200 or ME 20000) and BME 39000 [may be taken concurrently] and (STAT 35000 [may be taken concurrently] or STAT 51100 [may be taken concurrently] or BME 32200 [may be taken concurrently])
BME 431	[BME 30100 or ECE 30100]	[BME 23100 and BME 23101 and (MA 26200 or (MA 26500 and MA 26600))]	[BME 30100 or ECE 30100] or [BME 23100 and BME 23101 and (MA 26200 or (MA 26500 and MA 26600))]
BME 450	[ECE 30100 or CS 38003]	[(CS 15900 or CS 17600 or CS 18000) and MA 26100 and (MA 26200 or [MA 26500 and MA 26600])]	[ECE 30100 or CS 38003] Or [(CS 15900 or CS 17600 or CS 18000) and MA 26100 and (MA 26200 or [MA 26500 and MA 26600])]

Requisite Change for BME 22000

Underline the changes to be made.

FROM:

(Undergraduate level MA 16200 Minimum Grade of D- or

Undergraduate level MA 16600 Minimum Grade of D-) and

(Undergraduate level CHM 11600 Minimum Grade of D- or

Undergraduate level CHM 12901 Minimum Grade of D- or

Undergraduate level CHM 13600 Minimum Grade of D-) and

(Undergraduate level BIOL 23000 Minimum Grade of D-)

TO:

(Undergraduate level MA 16200 Minimum Grade of D- or
Undergraduate level MA 16600 Minimum Grade of D-) and
(Undergraduate level CHM 11600 Minimum Grade of D- or
Undergraduate level CHM 12901 Minimum Grade of D- or
Undergraduate level CHM 13600 Minimum Grade of D-) and
(Undergraduate level BIOL 23000 Minimum Grade of D-
or
Undergraduate level BIOL 23100 Minimum Grade of D-)

Requisite Change for BME 38900

Underline the changes to be made.

FROM:

(Undergraduate level BME 21401 Minimum Grade of D-) and
(Undergraduate level BME 23101 Minimum Grade of D-) and
(Undergraduate level BME 32001 Minimum Grade of D-) and
(Undergraduate level BME 20100 Minimum Grade of D-) and
(Undergraduate level BME 20200 Minimum Grade of D- or
Undergraduate level ME 20000 Minimum Grade of D-) and
Undergraduate level BME 39000 Minimum Grade of D- [may be taken concurrently] and
(Undergraduate level STAT 35000 Minimum Grade of D- [may be taken concurrently] or
Undergraduate level STAT 51100 Minimum Grade of D- [may be taken concurrently] or
Undergraduate level BME 32200 Minimum Grade of D- [may be taken concurrently])

TO:

(Undergraduate level BME 21401 Minimum Grade of D- or
Undergraduate level BME 20600 Minimum Grade of D-) and
(Undergraduate level BME 23101 Minimum Grade of D- or
Undergraduate level BME 20700 Minimum Grade of D-) and
(Undergraduate level BME 32001 Minimum Grade of D- or
Undergraduate level BME 20500 Minimum Grade of D-) and

(Undergraduate level BME 20100 Minimum Grade of D- or
Undergraduate level BME 32000 Minimum Grade of D-) and
(Undergraduate level BME 20200 Minimum Grade of D- or
Undergraduate level ME 20000 Minimum Grade of D-) and
Undergraduate level BME 39000 Minimum Grade of D- [may be taken concurrently] and
(Undergraduate level STAT 35000 Minimum Grade of D- [may be taken concurrently] or
Undergraduate level STAT 51100 Minimum Grade of D- [may be taken concurrently] or
Undergraduate level BME 32200 Minimum Grade of D- [may be taken concurrently])

Requisite Change for BME 43100

Underline the changes to be made.

FROM:

[Undergraduate level BME 23100 Minimum Grade of D- and
Undergraduate level BME 23101 Minimum Grade of D- and
(Undergraduate level MA 26200 Minimum Grade of D- or
(Undergraduate level MA 26500 Minimum Grade of D- and
Undergraduate level MA 26600 Minimum Grade of D-))]

TO:

[Undergraduate level BME 30100 Minimum Grade of D- or
Undergraduate level ECE 30100 Minimum Grade of D-]

or

[Undergraduate level BME 23100 Minimum Grade of D- and
Undergraduate level BME 23101 Minimum Grade of D- and
(Undergraduate level MA 26200 Minimum Grade of D- or
(Undergraduate level MA 26500 Minimum Grade of D- and
Undergraduate level MA 26600 Minimum Grade of D-))]

Requisite Change for BME 45000

Underline the changes to be made.

FROM:

(CS 15900 or CS 17600 or CS 18000) and MA 26100 and (MA 26200 or [MA 26500 and MA 26600])

TO:

[Undergraduate level ECE 30100 minimum Grade of D- or CS 38003 Minimum Grade of D-]

or

[(CS 15900 or CS 17600 or CS 18000) and MA 26100 and (MA 26200 or [MA 26500 and MA 26600])]

RATIONALE:

Prerequisite changes for the courses BME 38900, BME 43100, and BME 45000 were updated and approved by the ECC in October 2023 (EFD #34-24). However, the implementation of these approved changes in Curriculog now means that students who completed the previous prerequisites (before October 2023) all require overrides. This current EFD therefore reflects a correction to prerequisite courses to enable students who took the prerequisites, both before and after the October 2023 changes, to register for these courses without requiring overrides during this transitional period. Prerequisite changes for the course BME 22000 reflect a necessary change to the biology prerequisite to account for changes in the Biology department course offerings: BIOL 23000 which was the previous requirement is no longer going to be reliably offered, so BIOL 23100 is being added as an alternative.

Head/Director of the Weldon School of Biomedical Engineering

Links to Curriculog entry:

<https://purdue.curriculog.com/proposal:29720/form>

<https://purdue.curriculog.com/proposal:29726/form>

<https://purdue.curriculog.com/proposal:29728/form>

<https://purdue.curriculog.com/proposal:29706/form>

See links above