

Good afternoon Incoming MME 4th year students,

Further to my Email Newsletter I circulated last week, the aspect of the total technical elective requirement with the removal of ELEC 310 and how this affects your requirements appears very difficult to get clearly across to you all. After addressing this query with a couple of your fellow students (thank you so much for the feedback) we agreed it might help if I circulate the information below ...

After ELEC 310 was removed from your 3rd year curriculum, it was approved that students must have an additional 3.5 credits of technical electives and these credits can come from anywhere ... either an extra technical elective course, an extra complementary study course (**over and above the 9 credits that are required as core in your program ... 6 credits from List A, 3 credits from List A, B, C or D**), or another ANY course, for a total allowance of 6.5 ANY credits ... so this coupled with the 4th year technical elective requirement for your option is ...

23.5 plus 3.5 = 27.0* total min credits if in ME1 or ME2 option

If the full 3.5 credits were not taken in 3rd year, what matters is the total required credits are in place at the end of 4th year ... how you get there it doesn't matter, but the requirements need to be met.

* Take note that the above does not include any credit shortage students may incur after taking courses that substituted core or other courses in their program.

OR

20.0 plus 3.5 = 23.5* total min credits if in ME3 option.

If the full 3.5 credits were not taken in 3rd year, what matters is the total required credits are in place at the end of fourth year ... how you get there it doesn't matter, but the requirements need to be met.

*** Take note that the above does not include any credit shortage students may incur after taking courses that substituted core or other courses in their program.**

Points to ponder ...

- **The total number of credits students take in 4th year will differ as it depends on what they took as a replacement in 3rd year for ELEC 310. The most important thing is that you complete your 4th year core course requirements ... MECH 460 and MECH 464 if in ME1 and ME2, and MECH 460, MECH 464 and MECH 462 if in ME3. Your total technical elective credits, or balance of credits from the approved lists, and lastly 9 credits of complementary study courses from the approved lists A, B, C or D.**
- **The guidelines of the breakdown of technical elective courses in the newsletter is not always the way students would take or breakdown their fourth year course registration, it is simply a rather typical scenario for how 4th year rolls out for most students.**

I am hereby including both scenarios of technical elective breakdowns:

The calendar shows the breakdown this way ... and you will see that this breakdown includes the credits from third year ...

Total Technical Elective Requirements

Students are required to complete technical electives dependent on their option, as listed below:

ME1 Option

A minimum of 17.0 credits from any combination of courses on Lists 1, 2 or 3

A minimum of 3.5 additional credits from any combination of courses on Lists 1, 2, 3 or 4

A minimum of 6.5 additional credits from ANY Queen's undergraduate course

For a minimum total requirement of technical electives of 27.0 credits

ME2 Option

A minimum of 10.0 credits from courses on List 2

A minimum of 7.0 additional credits from any combination of courses on Lists 1, 2 or 3

A minimum of 3.5 additional credits from any combination of courses on Lists 1, 2, 3 or 4

A minimum of 6.5 additional credits from ANY Queen's undergraduate course

For a minimum total requirement of technical electives of 27.0 credits

ME3 Option

A minimum of 10.0 credits from courses on List 3

A minimum of 3.5 additional credits from any combination of courses on Lists 1, 2 or 3

A minimum of 3.5 additional credits from any combination of courses on Lists 1, 2, 3 or 4

A minimum of 6.5 additional credits from ANY Queen's undergraduate course

For a minimum total requirement of technical electives of 23.5 credits (Note that ME3 students are required to take MECH 462 as core, but it is an optional List 1 technical elective for ME1 and ME2 students. Students take the same total load in all three options.) (As an example, 17.5 from List 1, 2 or 3; 3.0 from List 4; 6.5 from ANY Queen's undergraduate course(s) would also satisfy the ME1 requirement.)

OR ...

The Newsletter shows the breakdown this way ... **and you will see that this breakdown does not include the credits from third year as it is assumed they were already taken ...**

Technical Elective requirement *:

Typically (*but not always due to the credit weight of courses*) **ME1 students** will take the following pattern of courses to meet their technical elective requirements in 4th year ...

- List 1, 2 or 3 technical elective (3.5)
- List 1, 2 or 3 technical elective (3.5)
- List 1, 2 or 3 technical elective (3.5)
- List 1, 2 or 3 technical elective (3.5)
- List 1, 2 or 3 technical elective (3.5)
- List 1, 2, 3 or 4 technical elective (min. of 3.0)
- List 1, 2, 3, 4 technical elective or ANY course at Queen's (min of 3.0)

Total min required technical electives = 23.5

Typically (*but not always due to the credit weight of courses*) **ME2 students** will take the following courses to meet their technical elective requirements in 4th year ...

- List 2 technical elective (3.5)
- List 2 technical elective (3.5)
- List 2 technical elective (3.5)
- List 1, 2 or 3 technical elective (3.5)
- List 1, 2 or 3 technical elective (3.5)
- List 1, 2, 3 or 4 technical elective (min. of 3.0)
- List 1, 2, 3, 4 technical elective or ANY course at Queen's (min of 3.0)

Total min required technical electives = 23.5

Typically (*but not always due to the credit weight of courses*) **ME3 students** will take the following courses to meet their technical elective requirements in 4th year ...

- List 3 technical elective (3.5)
- List 3 technical elective (3.5)
- List 3 technical elective (3.5)
- List 1, 2 or 3 technical elective (3.5)

List 1, 2, 3 or 4 technical elective (min. of 3.0)

List 1, 2, 3, 4 technical elective or ANY course at Queen's (min of 3.0)

Total min required technical electives = 20.0

* If students took core course equivalents that had fewer credits than required, these must be made up by taking additional technical elective or complementary study course credits!

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All student enquiries should be directed to the advisor email (above) and should always include a full name or student number.

Note that as a Student Advisor, I am happy to provide you with assistance and advice;

however, please note that each student is personally responsible for meeting the graduation requirements of her/his own program!