Transferring to or within Engineering? Adding a dual degree? Process, Deadlines, and Advice

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[studentsuccess.mcmaster.ca/personal-growth/career-exploration]
Who is this transfer/dual degree session targeting?

• This IDT/ICT/dual degree session is for:
  • Current ENGR students wanting different major (IDT) or dual degree
  • Students prior to Fall 2017 wanting into ENGR (ICT)
  • Any student who wishes to learn about dual degrees

• If Fall 2017 freshman (non ENGR):
  • No direct transfer into ENGR
  • Must first go to PREP (within DGS)
  • Attend PREP info session

• If already in PREP:
  • Follow their guidelines and transfer process
The college of engineering is transitioning to a new transfer process for >=FA17 students

(*) Students are giving up their primary degree
(*) Students who joined >=FA17 as Transfer are NOT eligible for ICT (PREP+ENGR)
(*) Exceptions: LAS-”CS”, LAS-PHYS do ENG-ICT into CS, EPHYS
The college of engineering will apply the “old” transfer process for <FA17 students
Dual Degree
Similarly we will apply the “old” dual degree process for <FA17 students

- Students use the **online** application software
- Students must plan and fill out an **Engineering Dual Degree Form**
The college of engineering will apply the “new” dual degree process for >=FA17 students

• This is a **TWO steps process** for non-engineering students

(*) Students who joined >=FA17 as Transfer are NOT eligible for dual degrees
The college of engineering will apply the “new” dual degree process for >=FA17 students

- Students use the **online** application software
- Students must plan and fill out an **Engineering Dual Degree Form**
- If pre-approved, students will be **placed in PREP**
The college of engineering will apply the “new” dual degree process for >=FA17 students

After being placed in PREP, students will **re-apply** to ENGR in the following semester for their dual degree.
The timeline to apply for ICT/IDT and to apply for dual degree are aligned for >=FA17 students

**Non-ENGR students:**
ICT or Dual degree

APPLY in 2nd semester
(placed in PREP upon approval)

**ENGR students:**
IDT or Dual degree

APPLY in 2nd, 3rd or 4th semester
The college of engineering is transitioning to a new transfer process.
Engineering has a minimum set of core required courses for transfer:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>RHET 105</td>
<td>MATH 221</td>
<td>CHEM 102/103</td>
</tr>
<tr>
<td>(or ESL)</td>
<td>MATH 231</td>
<td>PHYS 211</td>
</tr>
</tbody>
</table>

Engineering needs to see your aptitude to succeed in multiple technical courses

<table>
<thead>
<tr>
<th>Must complete the minimum required core courses.</th>
</tr>
</thead>
<tbody>
<tr>
<td>And...</td>
</tr>
<tr>
<td>3-4 technical courses every semester.</td>
</tr>
<tr>
<td><em>(First semester freshman can be 2 technical).</em></td>
</tr>
<tr>
<td>As and Bs in all your math, science, and engineering courses.</td>
</tr>
<tr>
<td><em>(Technical GPA)</em></td>
</tr>
<tr>
<td>Do not drop “restricted” engineering-related courses.</td>
</tr>
</tbody>
</table>
Academic success is not only about GPA but about progression similar to ENGR students

Progressing nicely! Keep up the good work.

<table>
<thead>
<tr>
<th>1st Semester</th>
<th>2nd Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chem 102/103: B+</td>
<td>Phys 211: B+</td>
</tr>
<tr>
<td>Math 220: A-</td>
<td>CS 101: B+</td>
</tr>
<tr>
<td>Rhet 105:</td>
<td>Math 231: A-</td>
</tr>
<tr>
<td>Econ 102: B</td>
<td>SE 101: B+</td>
</tr>
<tr>
<td></td>
<td>Phil 102: B</td>
</tr>
<tr>
<td>16 credits</td>
<td>16 credits</td>
</tr>
<tr>
<td>3.29 GPA</td>
<td>3.33 GPA</td>
</tr>
</tbody>
</table>

Not enough credits, not enough technical!

<table>
<thead>
<tr>
<th>1st Semester</th>
<th>2nd Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rhet 105: A</td>
<td>Math 231: A+</td>
</tr>
<tr>
<td>Math 221: A</td>
<td>Psyc 100: B+</td>
</tr>
<tr>
<td>Econ 102: B</td>
<td>Phil 102: A</td>
</tr>
<tr>
<td>ATMS 120: A+</td>
<td>Econ 103: A</td>
</tr>
<tr>
<td></td>
<td>14 credits</td>
</tr>
<tr>
<td></td>
<td>3.85 GPA</td>
</tr>
<tr>
<td></td>
<td>13 credits</td>
</tr>
<tr>
<td></td>
<td>3.79 GPA</td>
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</tbody>
</table>
Dropping key courses could jeopardize ability to be accepted into ENGR

- CHEM 102/103, 104/105, 202/203, 204/205
- CS 101 or 125
- MATH 220/221, 225, 231, 241, 285 or 286
- PHYS 211, 212, 213, or 214
- RHET 101, 102, or 105, CMN 111 or 112
- ESL 111, 112, or 115
Specific majors have extra **required** courses beyond the minimum engineering core.
Specific majors have higher competitiveness because of space constraints and high demand

We look at GPA (Overall and Technical)
(Competitive) BIOE, CS, ME, COMPE, EE
(Moderate to Limited) AERO, CEE, IE
(Open) ABE, EM, PHYS, NPRe, SED, MSE

For Dual Degrees: same review as IDT/ICT
But we may need to prioritize ICT/IDT,
especially for high in demand majors

For PREP students only: http://dgs.illinois.edu/current-prep-students
For successful transfer you need the **minimum core courses** and additional ones (if required), plus good portfolio **narrative that fits** intended major

<table>
<thead>
<tr>
<th>1st Semester</th>
<th>2nd Semester</th>
<th>Personal narrative...</th>
</tr>
</thead>
<tbody>
<tr>
<td>Math 231: A-</td>
<td>Math 241: B+</td>
<td>In high school I took circuits and signals and robotics courses through PLTW. I became fascinated with engineering and electronics. After taking the ECE 110 course, I know <strong>EE</strong> is the major for me! The electronic car project in the lab was a perfect building block to my experiences in iRobotics club. I want to continue incorporating the EE and CE side of the curriculum to better understand robots and machine learning...</td>
</tr>
<tr>
<td>Phys 211: B</td>
<td>Phys 212: A</td>
<td></td>
</tr>
<tr>
<td>ECE 110: A-</td>
<td>ECE 120: A-</td>
<td></td>
</tr>
<tr>
<td>Econ 102: B</td>
<td>Phil 102: B</td>
<td></td>
</tr>
<tr>
<td>KIN 102: B+</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Rhet 105, Chem 102, Math 220 AP credit.</strong></td>
<td></td>
<td></td>
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</tbody>
</table>

**Core required engineering courses.**

**Plus required department course (ECE 110 or 120).**

**Plus extra engineering and department-related courses that show interest in major.**

And a great personal **narrative** from portfolio that highlights interest in the prospective major.
Transfer Requirements

Specific majors

Process and Review
The application deadline is typically mid-semester for a next semester transfer or dual degree

- March 1 for Fall ICT
- October 8 for Spring ICT @ 11:59PM

**Missing** the deadline will **postpone** your application to the **following** semester
Working on your portfolio will help you **explore**, evaluate and ultimately craft your narrative.

Which engineering major? Why adding a degree?

What do you find interesting?

What field do you want to work in?

What are your academic strengths?

What is your course plan?
You should go back and edit your **Exploration Portfolio** as often as needed.

Your interests might be changing.

You may have been involved in more activities.

**Mid-Semester assessment**

**Post-Semester assessment**
You should not be afraid to ask yourself important questions

Am I doing well?

Am I making good progress?

Do I like my classes?

Visits to advisors are an important part of the Exploration process
You should keep an open mind on various majors, engineering and non-engineering

Your performance in certain classes will help you refine your path and indicate best fit
You should keep an open mind on various majors, engineering and non-engineering

You may name and rank up to three choices in your application.

Apply only to the major(s) you are genuinely interested in.

Your application will be reviewed according to how you ranked each major.

You will only be considered for your 2nd and 3rd choice if we cannot accommodate you in your top choice.
You should keep an open mind on various majors, engineering and non-engineering

Majors that are **high in demand** can only be selected as “**top choice**”.

Currently, these include

BIOE, COMPE, CS, EE, ME.

If your application is approved, we will **not** consider a future request from you to transfer.
Applications for dual degree do not need to include more than one major

Please only name ONE major in your dual degree application

Apply only to the major you are interested in adding
We will wait until current semester grades are posted to review applications.

**College Committee Reviews** Applicants *after semester is over*
Feedback solicited from departments.
We will look at a combination of your overall performance and your portfolio.
We will look at a combination of your overall performance and your portfolio.

Your Portfolio

We will pay particular attention to your narrative and overall fit.

*If you listed two majors, do NOT only write about your top choice.*
We will look at a combination of your overall performance and your portfolio.

We will pay particular attention to technical classes, loads each semester, and fit for majors.

*We will also pay attention to non technical classes*
If accepted, meet your new department advisors! Discuss classes.

If denied, explore options:

- Plan A. Letter encourages you to apply again later
- Plan B. Explore non-ENG majors

College Committee Reviews Applicants (after semester is over)
Feedback solicited from departments.

College Committee Makes Decision & Notifies Student (before next semester starts)
Top Questions...

1. Is there a wait list?
2. What if I want to switch back to my old major?
3. Any help in reviewing the portfolio before submitting?
4. Do you tailor your answers only to your top choice major?
5. Do financial aid and scholarships follow me to ENGR?
6. Besides good GPA, what counts and helps my chances?
7. Can I transfer and then add a second major?
8. Do I need to take ENG 100 after being accepted?

Any other questions from you?