

|  |  |
|--|--|
|  |  |
|  |  |
|  |  |
|  |  |

*Table 1 Add/delete rows as required*

At the conclusion of the cyclical program review, a final assessment report to the Deans of the Faculty of Engineering (150.93.10.90) 70.86(20)16

Please complete this report and return it to [qugap@queensu.ca](mailto:qugap@queensu.ca) by 2/25/2022. The Teaching and Learning Office will review this progress report. It will then be appended to the Deans' annual reports for the 2021-22 academic year, filed in the Office of the Provost and Vice-Principal (Academic). Please note that monitoring reports will be posted on the University web site.



Recommendations 4 and 5 were not endorsed by the Provost and Vice-Principal (Academic) and are not included in this report.

|   |  |
|---|--|
| <p><b>Recommendation 1: Reviewers' drew attention to the department's self-study report, and the frequent mention of the need for a "culture shift" with respect to competing for research funding.</b></p> |  |
| <p><b>Proposed follow-up</b></p>  | <ul style="list-style-type: none"> <li>i. Provide seed money from departmental discretionary fund to encourage and support large collaborative applications</li> <li>ii. Increase administrative support for grant application preparation and the administration of successful grants</li> <li>iii. Provide teaching relief for principle applicants preparing large collaborative grant applications</li> <li>iv. Internal sharing of best practices for grant applications</li> <li>v. Discuss issue at November 2019 departmental retreat</li> </ul> |
| <p><b>Responsibility for leading follow-up</b></p>  | <p>Departmental head</p>   |
| <p><b>Timeline for addressing recommendation</b></p>  | <ul style="list-style-type: none"> <li>i. Ongoing</li> <li>ii. Ongoing</li> <li>iii. Ongoing</li> <li>iv. Ongoing</li> <li>v. Complete initial discussion at November 2019</li> </ul>  |

What is the current status of the  
fol

|   |  |
|---|--|
| <b>Recommendation 2: Reviewers recommend that all M.A.Sc. and Ph.D. students have regular (at least once a year) meetings with a supervisory committee that involves two formal elements: delivery of a presentation and submission of a written report</b> |  |
| <b>Proposed follow-up</b>   | <ul style="list-style-type: none"> <li>i. Actively enforce existing policy for all incoming PhD students</li> <li>ii. Discuss proposal to initiate yearly meetings for all MASc candidates at June departmental and graduate student executive meetings</li> </ul> |
| <b>Responsibility for leading follow-up</b>   | Departmental head  |
| <b>Timeline for addressing recommendation</b>   |  |

|  |  |
|--|--|
|  | ii. The department discussed, and rejected, the proposal to have yearly meetings for MASccandidates. The department felt that the additional work required would not provide any additional efficiencies in MASc time to completion. |
|--|--|

|   |   |
|---|---|
| <b>Recommendation 3: Reviewers recommend that they were pleased to hear from the Dean about two new faculty positions planned for the unit. One of these positions would be at the intersection of engineering/medicine/clinical/mobility</b> |   |
| <b>Proposed follow-up</b>   | Hire new faculty member with expertise at the intersection of engineering and medicine. Consider second hire in the area of biochemical engineering/synthetic biology |
| <b>Responsibility for leading follow-up</b>   | Departmental head   |
| <b>Timeline for addressing recommendation</b>   | Complete second hiring process by 2020  |
| <b>Are there additional deliverables associated with the proposed follow-up?</b>  | No  |
| <b>Which <a href="#">support units</a> have been engaged as collaborators in supporting additional deliverables?<br/>(If no, please indicate 'N/A')</b>   | N/A   |
| <b>What is the current status of the follow-up?</b>   | Completed   |
| <b>Include a completion percentage</b>  | 100%  |

Please provide a brief description of the current, completed or planned work

We have hired a new Faculty member, Dr. Kevin de France, whose research area is in polym biomaterials for regenerative medicine applications. Dr. de France will be joining our department May 2022. We also received a QNS position in Systems Biology in 2014 which we used to hire Dr. Laurence Yang, who started in 2019. We have also proposed a new hire in Systems Biology/Synthetic Biology for recent CRC (2020) and CERC competitions (2022). Unfortunately, both proposals were not successful. We currently do not have any hiring opportunities available in this

|   |  |
|---|--|
| <p>What is the current status of the follow-up?</p>   | <p>In process</p>  |
| <p>Include a completion percentage<br/>Please provide a brief description of the current, completed or planned work</p> | <p>&gt;25%<br/>The development of a Faculty-wide MEng program has been ongoing under the portfolio of the Dean of FEAS. The 2019 Program Proposal was temporarily paused with the shifting priorities of pivoting education during the</p> |



|  |   |
|--|---|
| What is the current status of the follow-up?                                 | In process  |
| Include a completion percentage  | >50%  |
| Please provide a brief description of the current, completed or planned work | The department regularly advertises the QUIP program and has provided opportunities for the QUIP program director to discuss these opportunities with our students, both during Orientation sessions at the beginning of the academic year and during our Discipline Orientation nights each January. Further, we have highlighted the QUIP program on our department website in one of our news feeds ( <a href="https://chemeng.queensu.ca/news/2021/03/queens-engineer-finds-a-surefire-career-path-at-procter-and-gamble-internship.htm">https://chemeng.queensu.ca/news/2021/03/queens-engineer-finds-a-surefire-career-path-at-procter-and-gamble-internship.htm</a> ). The combined CHEE and ENCH registered participants in QUIP have gone from 44% of the total class enrolment in 2020 to 63% in 2022. This growth is encouraging and we will continue our efforts to improve it further. |

|  |  |
|--|--|
| Recommendation 8: Chemical Engineering has recently enjoyed strong demand. Reviewers recommend that the unit play an active role in recruitment and outreach to make sure prospective students appreciate <u>both</u> undergraduate programs that the unit has to offer. |  |
| Proposed follow-up   | Continue current activities that inform prospective students of the opportunities in both Chemical Engineering and Engineering Chemistry |
| Responsibility for leading follow-up   | Departmental head  |
| Timeline for addressing recommendation   | Ongoing  |
| Are there additional deliverables associated with the proposed follow-up?  | No   |

Which [support units](#) have been engaged as collaborators in supporting additional deliverables?  
(If no, please indicate 'N/A')

N/A FEAS



Which



result, the number of c

|  |  |
|--|--|
| What is the current status of the follow-up?                                 | In process   |
| Include a completion percentage  | >75%   |
| Please provide a brief description of the current, completed or planned work | The fundamentals of the chemical engineering discipline will always be industrially relevant. However, we have shifted the focus of the applications of chemical engineering principles from primarily the oil and gas industry to alternative energies, bioengineering and sustainable manufacturing processes. This shift is expected to be complemented in our new first year chemistry offerings and will be echoed throughout our curriculum, as noted in our comment to Recommendation 1.0 |

**Additional Notes:**

Please note any additional issues affecting progress, if applicable