DECISION ACADEMIC

Lakehead University
Faculty of Engineering

REQUEST REPORT

Request Tracking Number: 2013-ENG-467
Request Title: ENG Prog Request

Request Effective Date: Fall 2013
Request Status: In Workflow
Request can't be split

Request Contents

Type		Title
1.	New Version of a Degree	MSC ENG in Electrical and Computer Engineering (Thesis)

Request History

Workflow Step	Workflow Action	User	Change Made	Comments	Date
Initiator	Approved	Laura Parker	Yes	Submitted to workflow	01/09/2013
Dean and Faculty Council Review Stage	Approved	David Barnett	No	Approved	01/09/2013
Optional Dean-Engineering	Approved	David Barnett	No	Approved	01/18/2013
Faculty of Graduate Studies Council	Approved	Laurie Hill	No	Approved at April 9, 2013 meeting of the Faculty of Graduate Studies Council.	04/15/2013

Supporting Documents

File Name	Uploaded By	Upload Date	Size

Supporting Documents Audit Trail

File Name	User	Date	Action

Notes

Printed: 04/17/2013

Date	User	Note

1.	New Version of a Degree	MSENG.ELCO.TH - MSC ENG in Electrical and Computer Engineering (Thesis)	3

Degree Details

CURRENT VERSION	PROPOSED VERSION
MSENG.ELCO.TH - MSC ENG in Electrical and Computer Engineering (Thesis) **Start Term:** Fall 2009 **End Term:** No Specified End Date	MSENG.ELCO.TH - MSC ENG in Electrical and Computer Engineering (Thesis) **Start Term:** Fall ~~2009~~*2013* **End Term:** No Specified End Date

Required Information

CURRENT VERSION	PROPOSED VERSION
Institution Unit Faculty of Engineering	**Institution Unit** Faculty of Engineering
Degree Type MSENG	**Degree Type** MSENG
Major ELCO	**Major** ELCO
Minor	**Minor**
Specialization	**Specialization**
Rationale	**Rationale** *To change course offerings and approvals for course selection.*
Requirements The requirements for the MSc Eng in Electrical and Computer Engineering (total 5 FCEs) are: (a) four half-courses (2 FCEs) as specified below (b) the graduate seminar, Engineering 5731 (carries 0.5 FCE credit weight) (c) the graduate thesis, Engineering 5901 (carries 2.5 FCE credit weight) **Electrical and Computer Engineering Core Courses** All students must take 2 of the following 4 core half-courses: Engineering 5131 - Microelectronics	**Requirements** The requirements for the MSc Eng in Electrical and Computer Engineering (total 5 FCEs) are: (a) four half-courses (2 FCEs) ~~as specified~~ *of which at least three must be chosen from courses in Electrical and Computer Engineering, listed* below (b) the graduate seminar, Engineering 5731 (carries 0.5 FCE credit weight) (c) the graduate thesis, Engineering 5901 (carries 2.5 FCE credit weight) ~~Engineering~~ Electrical and Computer Engineering ~~Core Courses~~ ~~All students must take 2 of the following 4 core~~

Engineering 5132 - Digital Communication Systems Engineering 5231 - Computer Architecture Engineering 5232 - Software Construction and Evolution	~~half-courses:~~ *Courses*
Electrical and Computer Engineering Elective Courses	
Of the remaining two half-courses, at least one must be from the following list of elective half-courses:	*Engineering 5111 - Control Engineering Concepts* *Engineering* 5131 - Microelectronics Engineering 5132 - Digital Communication Systems Engineering *5211 - Robust Control* *Engineering 5331 - Digital ASIC Design* *Engineering 5431 - Advanced Power Electronics* *Engineering 5432 - Semiconductor Devices* *Engineering* 5231 - Computer Architecture Engineering 5232 - Software Construction and Evolution~~Electrical and Computer~~ Engineering ~~Elective Courses~~
Engineering 5331 - Digital ASIC Design Engineering 5332 - Advanced Computer Engineering Engineering 5333 - Computer Networks Engineering 5334 - Web Engineering Engineering 5431 - Advanced Power Electronics Engineering 5432 - Semiconductor Devices Engineering 5433 - Design of RF ICs Engineering 5434 - Wireless Communication Systems Engineering 5631 - Advanced Topics in Electrical and Computer Engineering	~~Of the remaining two half-courses, at least one must be from the following list of elective half-courses:~~
The student choice of courses must be approved by the graduate supervisor and Engineering Graduate Studies Committee. One of the four half-courses may be a senior undergraduate half-course from a department different from Electrical or Software Engineering that was not previously taken or a graduate half-course from another graduate program such as Control Engineering, Computer Science or Mathematical Sciences.	~~Engineering 5331~~~~- Digital ASIC DesignEngineering~~ 5332 - Advanced Computer Engineering Engineering 5333 - Computer Networks Engineering 5334 - Web Engineering Engineering ~~5431 - Advanced Power ElectronicsEngineering 5432~~~~- Semiconductor DevicesEngineering 5433~~~~- Design of RF ICsEngineering 5434~~~~- Wireless Communication SystemsEngineering~~ 5631 - Advanced Topics in Electrical and Computer Engineering
	The student choice of courses must be approved by the ~~graduate~~ supervisor and ~~Engineering Graduate Studies Committee. One of~~ the ~~four half-courses may be a senior undergraduate half-course from a department different from Electrical or Software Engineering that was not previously taken or a graduate half-course from another graduate program such as Control Engineering, Computer Science or Mathematical Sciences~~*graduate coordinator*.

Budgetary Considerations

CURRENT VERSION	PROPOSED VERSION
Student Enrolment	**Student Enrolment** *No*
Student Enrolment Other Units	**Student Enrolment Other Units** *No*
Additional Resources	**Additional Resources** *No*
Teaching Loads	**Teaching Loads** *No*
TeachingSupport Services	**TeachingSupport Services** *No*
Outside Support	**Outside Support** *No*