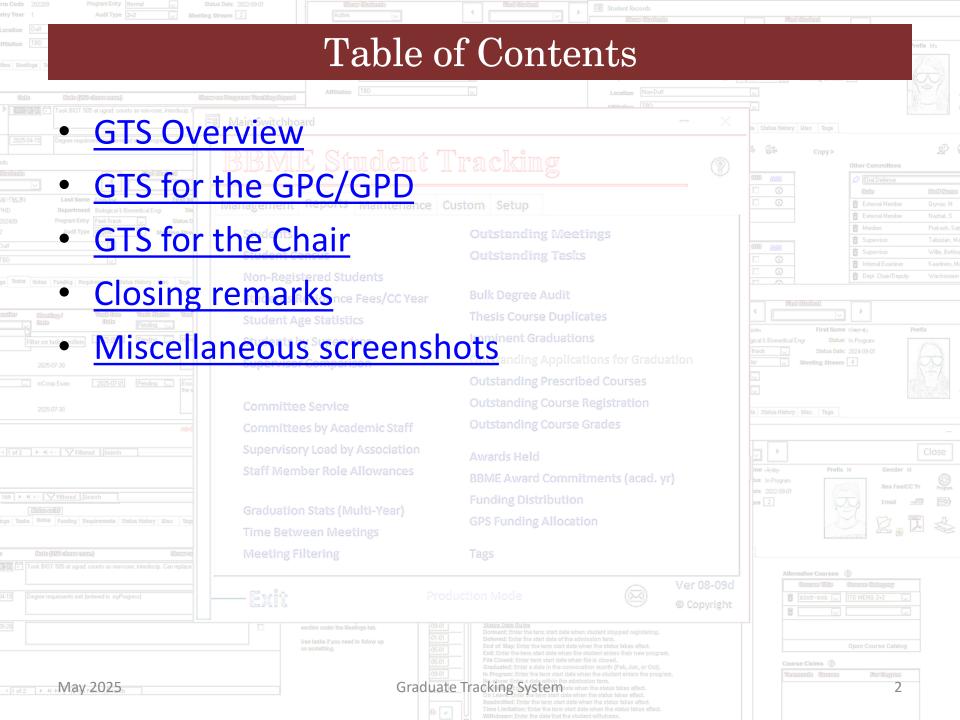
Graduate Tracking System (GTS)

May 2025



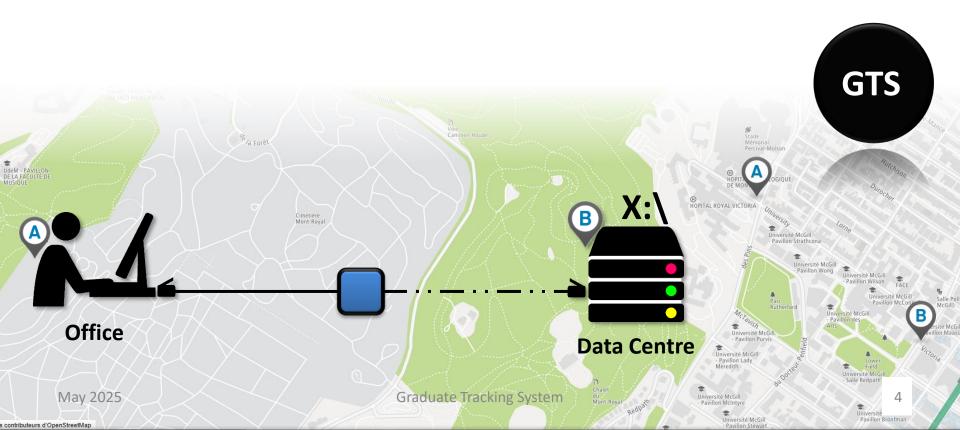
GTS – What is it?

- A computer-aided system for <u>student administrators</u> to track graduate students and manage graduate programs
 - Complements McGill's myProgress system, intended for students and supervisors
- Assists GPCs by automating the creation of the next step(s) needed to follow student progress
- Yields reports for the GPC, GPD, and Dept. Chair



GTS Implementation

- Implemented with Microsoft Access
 - Local application
 - Data files reside on a mapped network drive on campus



myProgress vs the GTS

myProgress (Milestones)

- An audit tool to mark milestones completed by student
- Designed for students and supervisors
- Sends automated reminder to students of upcoming milestone

GTS

- A reactive system to track student milestones and manage tasks
- Designed for the GPC
- Email templates and bulk emailing tool facilitates communications with students
- And more

GTS Objectives

- Comprehensive, integrated tool to track and document graduate student progress
- Support the GPC
- Provide missing tracking/reporting tools
- Incorporate business rules
 - Timeline awareness
 - Support staff turnover
- Minimize data entry
 - Data Warehouse integration
- Ensure data integrity



GTS Objectives

- General purpose
 - Customized to department's specific needs
 - Simple or complex tracking
 - Also supports tracking internships; diploma and certificate programs; etc.
- Support for electronic records



GTS Components

Progress Tracking Academic Requirements

GTS

Financial Commitments

Data Warehouse

GTS Tracking Concept: Meeting Sequence

A "meeting" defines a student's status throughout their stay.

Example: Ph.D. Meeting List

Committee Selection

Preliminary (Objectives)

Comp Prep

Comp Exam

Progress

Pre-Submission

Initial Thesis Submit-1

Initial Thesis Result-1

Oral Defense

Final Thesis Submission

Initial Thesis Submit-2

Initial Thesis Result-2

Oral Defense Management

Thesis Revision

Oral Defense (Repeat)

Termination

Next meeting automatically created based on:

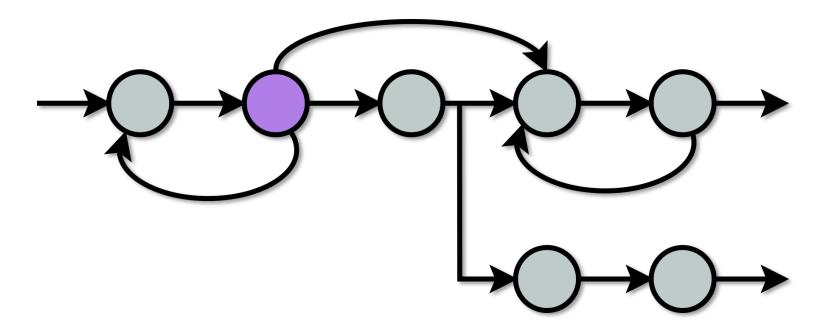
- Current meeting outcome
 - Satisfactory
 - Conditional
 - Unsatisfactory
- Dept./University timeline guidelines



GTS is an assistant

Integrated Business Rules

- GPC is guided in the next step
- Complex flow between meetings is seamlessly handled
 - A meeting outcome can fork a separate meeting stream



GTS for the GPC/GPD

- GTS supports tracking
 - Student status well defined
 - GTS-created reminder tasks
- Links to Data Warehouse
 - Imports new student cohorts
 - Tracks academic requirements
 - Pre-requisite courses
 - Courses prescribed by advisory committee
 - User-friendly degree audits
 - Bulk degree audits



GTS for the GPC/GPD

- Links to Data Warehouse (Cont.)
 - Creates unavailable reports
 - Returning non-registered students
 - Duplicate course registration
 - Outstanding course registration
 - Outstanding course grades

Courses associated with meetings (e.g., PhD Comprehensive exam)

- Track internal departmental requirements
 - E.g., seminar attendance
 - E.g., conference presentation
- Student's committee uploaded to Minerva with a click of a button

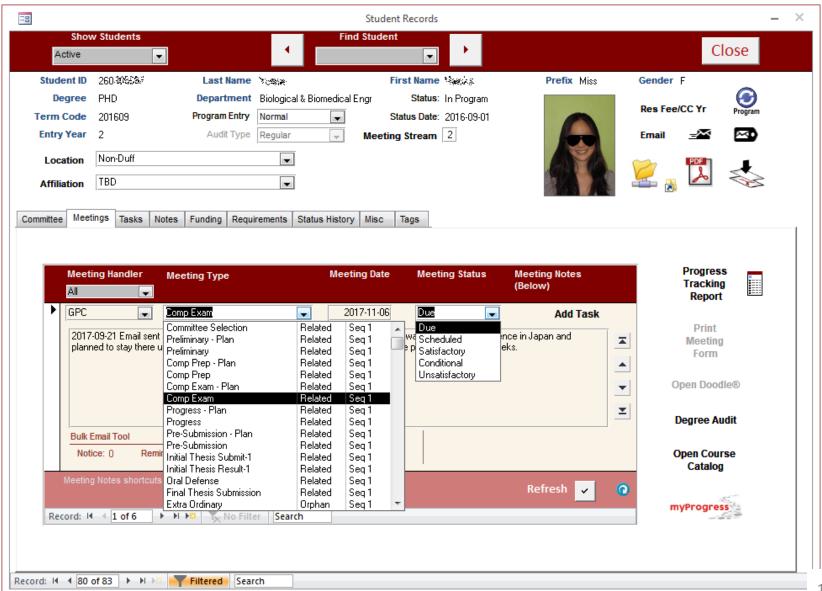


GTS for the GPC/GPD

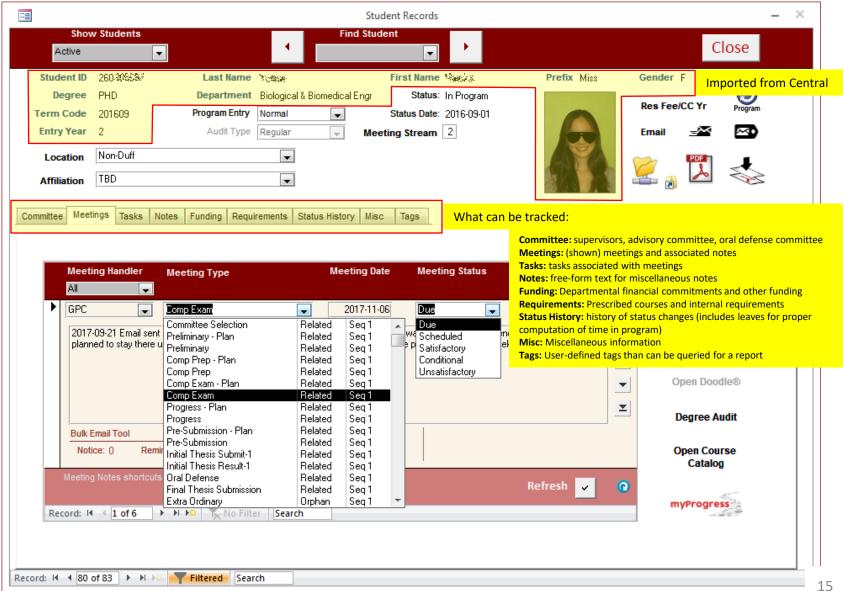
- Manages Faculty fund allocation
 - No spreadsheet on the side
- Supports electronic storage
 - Remote access to student records and files
- Stores/Links to critical student information
 - GTS Degree audit + advising transcript
 - Registration status
 - Residence status
 - Email address
 - Time saving
 - No application switching
 - Integrated email (MS Outlook)



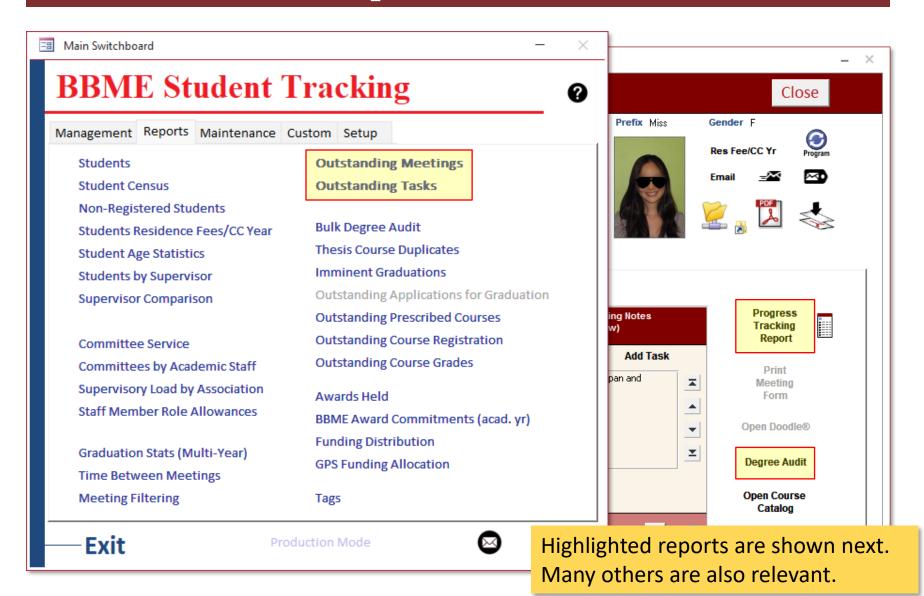
Example of a Student Record



Example of a Student Record



GTS Reports for the GPC



Report: Student Progress



Biological and Biomedical Engineering Prog.



Ph.D. Committee Selection and Progress Tracking Report

Student Name: Student Name:

McGill ID: 2607%外影響

Date of Admission: 2023-09-01 Program Entry: Normal

Active Months: 20

A 'baseball card' summarizing student progress to date



		ADVISORY COMMITTEE	Joined	Resigned
Chair's representative	Li-Jessen, N	(Physical & Occupational Therap)	2023-11-09	
External Member	Cohen-Adad, J	(Electrical Engineering)	2023-11-09	
Member	Ebrahimi-Kahou, S	(TBD)	2023-11-09	
Supervisor	Vallieres, M	(TBD)	2023-11-09	
Supervisor	Enger, Shirin	(TBD)	2023-09-01	

MEETING HISTORY

©	Meeting Type	Sequence Number	Status	UP ¹ Points	Condition Satisfied	Date
(mCommittee Selection	1	Satisfactory		-	2023-09-30
€	mPreliminary - Plan	1	Satisfactory		-	2024-01-29
€	mPreliminary	1	Satisfactory		-	2024-02-05
€	mComp Prep - Plan	1	Unsatisfactory	0.5	-	2025-01-13
€	mComp Prep	1	Satisfactory		-	2025-01-20
✐	mComp Exam	1	Due		-	2025-07-21

Report: Degree Audit

Degree Audit

Thesis Courses

Course	Registered			
BBME-693 Thesis Research 1	Υ			
BBME-694 Thesis Research 2	Υ			
BBME-695 Thesis Submission	Υ			
BBME-696 Thesis Research 3	Υ			
BBME-697 Thesis Research 4	Υ			

Prescribed Courses

Туре	Course	Complete
Pre-requisite	COMP-204 Comp. Programming for Life Sci	Υ
Pre-requisite	PSYC-305 Statistics for Exper Design	Υ

The full report also sports a reconstruction of the student advising transcript (not shown here due to space restriction)

Executive Summary

Time Limitation begins: 2025-09-01 (Estim.)
Course Cr requirement met: Y (15/15)
Seminar course Cr requirement met: Y (3/3)
Approved course Cr requirement met: Y (12/12)

Core course Cr requirement met: Y (6/6)

Quantitative course requirement met: Y (1/1)

ITD-Equiv course requirement met: N

Registered for all Thesis course(s): Y (5/5)

Prescribed courses completed: Y (2/2)
Warning: Unknown course(s) may need classificatio

GPS Failure Policy: No issue

Audit: Unsuccessful

All requirements must be met to allow the student to submit their thesis for review. Credit transfers are factored into the total credits.

Warnings of an incomplete audit may be resolved by:

- 1. Classifying unknown course(s) in the course catalog.
- Claiming ambiguous courses for the degree under the Requirements tab.

The Executive
Summary: a
customized,
concise analysis
of the courses
taken and
completion of
internal
requirements

Approved Courses Completed/Registered

Course	Approved	Core	Seminar	Quantitative	CoreAsITD	Unknown
BBME-600N1 Seminars in Biol & Biomed Eng			1			
BBME-600N2 Seminars in Biol & Biomed Eng			1			
BIEN-550 Biomolecular Devices	1	1		1	1	
BMDE-501 Selected Topics:Biomedical Eng	1	1			1	

that count towards the degree and in what capacity

Report on Outstanding Meetings

Outstanding Meetings for Active Students

Priority color legend: Red: Events past due

Orange: Due events occurring within the next 30 days Black: Scheduled events occurring within 30 days

Grey: Events occurring 31 days or later

Meeting category shown: GPC

Status	ID	Last Name	First Name	Degree	Meeting	Category	Deadline
Scheduled	260繁紫绿绿	KAMPA	Hamed	PHD	Initial Thesis Result-1	GPC	2014-10-03
	Notes	5:					
Scheduled	260\$\%\%	Conference for the Sente	Alonso	MENG	Initial Masters	GPC	2014-12-02
	Notes	9 am in Rob's office.					
		Ensure proper meetin	g member composition.				
Scheduled	260保護系統	863386	Hamed	PHD	Oral Defense	GPC	2014-12-04
	Notes	Meeting room booked Pre-Defense: 9:00 am Defense: 9:15 am					
Due	2605%%%	W.Serry	Kathryn	MENG	Extra Ordinary	GPC	2014-12-19
	Notes		ecessary tasks. d this meeting be held be	efore the holidays. Doo	dle sent		
Due	260%%%%	Marks	Kathryn	MENG	Progress	GPC	2015-05-18
	Notes	Ensure proper meetin	g member composition.				

Check daily to see items requiring follow-up

Report on Outstanding Tasks

Outstanding Tasks

Tasks for handler: All





Bulk email tool uses templates for mass mailing

Limit Report Length



_		_	- 1
- Fna		Task	E-Mit
LIIG	016	1031	Luit

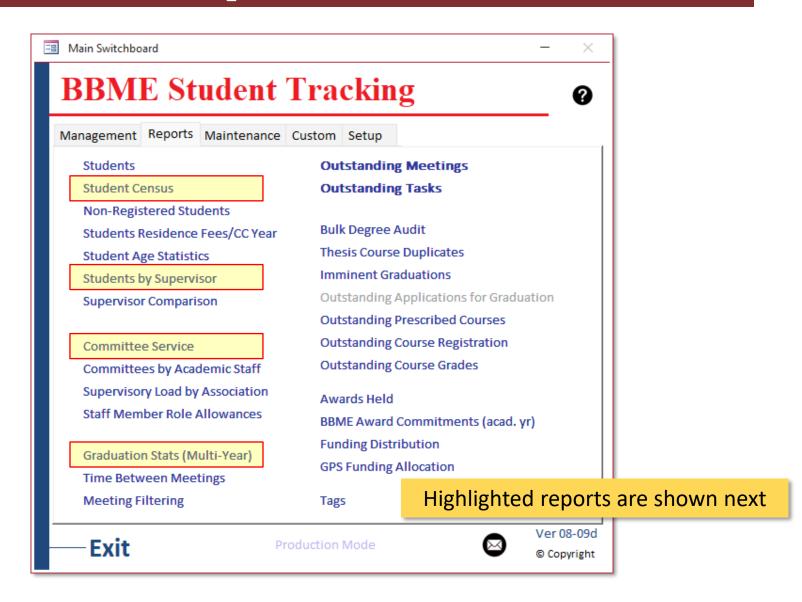
Student Name	Deg. / Entry	Meeting Type Handler	Meeting Date	Task Description	Task Due On	
85 Zimo	PHD	mProgress 1 PhD2	2025-10-02	Have student schedule meeting. (Use email template AV3.)	2025-08-21	
No. 219	202309	GPC				
ችቅር ፡፡ ያያችነት, Meghana	PHD	mProgress 1 PhD2	2025-08-29	Prepare file for Chair's rep: print Progress Tracking Report	2025-08-28	
No. 220	202301	GPC		and attach the most recent transcript.		
Meghana	PHD	mProgress 1 PhD2	2025-08-29	- Collect the meeting report	2025-08-29	
▶ (No. 221	202301	GPC		 Have GPD sign the report Append GPD-signed report to student file Email GPD-signed report to student and committee (Email template: MR1) 		
៊ុំដូ•ឡុ Eleanor	PHD	mComp Exam	2025-09-22	Ensure that the student is registered for BBME-701 in the	2025-09-01	
No. 223	202409	GPC		same term that the exam is given.		
Ø≶!‱⊈ Zachary	MSC	mProgress 1 MEng	2025-11-19	Prepare email template AV1: Contact GPD Reps for	2025-10-01	
No. 226	202309	GPC		availabilities. (Give 1 week to reply.)		
Specific Zachary No. 227	MSC 202309	mProgress 1 MEng GPC	2025-11-19	- Setup Doodle poles given GPD Reps' availabilities. - Update email template AV1 with new Doodle pole links. - Send email template.	2025-10-08	
	Zimo No. 219 Meghana No. 220 Meghana No. 221 No. 221	Entry PHD 202309 No. 219 No. 220 PHD 202309 No. 220 202301 No. 221 PHD No. 221 PHD 202301 No. 221 PHD 202301 No. 221 No. 223 PHD 202301	Entry Handler PHD mProgress 1 PhD2 202309 GPC Meghana PHD mProgress 1 PhD2 202301 GPC No. 220 202301 GPC PHD mProgress 1 PhD2 202301 GPC No. 221 PHD mProgress 1 PhD2 202301 GPC PHD mComp Exam 202409 GPC No. 223 No. 223 MSC mProgress 1 MEng 202309 GPC MSC mProgress 1 MEng 202309 GPC	Entry Handler Date Composition PHD mProgress 1 PhD2 2025-10-02	## PHD mProgress 1 PhD2 2025-10-02 Have student schedule meeting. (Use email template AV3.) PHD mProgress 1 PhD2 2025-08-29 Prepare file for Chair's rep: print Progress Tracking Report and attach the most recent transcript. PHD mProgress 1 PhD2 2025-08-29 Prepare file for Chair's rep: print Progress Tracking Report and attach the most recent transcript. PHD mProgress 1 PhD2 2025-08-29 Collect the meeting report Have GPD sign the report Append GPD-signed report to student file Email GPD-signed report to student and committee (Email template: MR1) PHD mComp Exam 2025-09-22 Ensure that the student is registered for BBME-701 in the same term that the exam is given. PHD mProgress 1 MEng 2025-11-19 Prepare email template AV1: Contact GPD Reps for availabilities. (Give 1 week to reply.) PNO. 227 MSC mProgress 1 MEng 2025-11-19 Setup Doodle poles given GPD Reps' availabilities. Update email template AV1 with new Doodle pole links.	

Tasks help the GPC stay organized by providing action items for a given day

GTS for the Chair

- Business rules defined
 - Facilitates administrative staff changes
- Program status & performance
 - Figures for annual reports and cyclical reviews
 - Student census
 - Time-to-graduation statistics
 - Historical data kept in one place
- Student progress monitoring
- Supervisory performances
 - Load statistics
 - Time-to-graduation

GTS Reports for the Chair



Report: Student Census

BBME Student Census

Covering the inclusive term(s): 202409 - 202505



169

Degree	Returning	New (1)	Re- Admitted	Graduated	End Of Stay (2)	Fast-tracked to Doctoral Prog.	Back-tracked to Master Prog.		Deceased	Withdrawn [New] (3)	Withdrawn [Total]		Deferred	On Leave or On Hiatus	In Time Limitation	Dormant	Students with Admitted Status	Active Students (4)
MENG	26	0	0	14	0	0	0	0	0	0	0	0	0	1	3	0	0	12
MSC	24	33	0	1	0	3	0	0	0	2	2	0	1	0	0	0	0	50
PHD	104	21	0	13	0	0	1	0	0	0	3	0	1	1	0	0	3	107

Department-level Census

Notes:

Columns in grey offer additional information only. They do not factor into calculations.

- (1): Students who have confirmed on uApply. It includes new students who deferred, did not show, or withdrew within the census period.
- (2): Applied to non-Master and non-Doctoral degrees.
- (3): Students who withdrew during their first term.
- (4): Students who have not officially left the Department at the end of the census period. The count is computed using the entries in black only.

	Time-to-Graduation by Degree and Starting Term											
Degree	Admit CC Year	No. of Graduates	Starting Term Number	No. Months Minimum	No. Months Median	No. Months Average	No. Months Maximum					
MENG												
	1+	1	01	34	34	34.0	34					
	1+	13	09	26	29	30.8	41					
MSC												
	1+	1	09	9	9	9.0	9					
PHD												
	2	6	01	41	61.5	60.3	70					
	2	7	09	53	65	66.9	78					

		Time-to-	Graduation	by Degree	!	
Degree	Admit CC Year	No. of Graduates	No. Months Minimum	No. Months Median	No. Months Average	No. Months Maximum
MENG						
	1+	14	26	29	31.1	41
MSC						
	1+	1	9	9	9.0	9
PHD						
	2	13	41	65	63.8	78

Time-to-Graduation Statistics

Report: Students by Supervisor

- Individual supervision performance report
- Available over arbitrary term range

Supervisor-level Census

Student	ervisio	n		For inclusive terms 201609 - 201705							
Student	Student Name		Degree		Ongoing Degree Supervision		_	Cosupervised		us	Month: Active
1. Funnell, Wi Association: Affiliation: Discipline:	Full-Time BME	•									
Sahar		1	MENG	Yes		No	In Pro	ogram	25		
Wand, Elie		1	MENG	Yes		Yes	Graduated		38		
1600 Orh	un	1	PHD	Yes		Yes	In Program		25		
	3 student	(s)									
				Reside	ency Statisti	cs					
	Degree	Status		No. of Students	No. Months Minimum	No. Months Median	No. Months Average	No. Months Maximum			
	MENG In Program MENG Graduated		1		25	25	25.0	25			
			1	38	38	38.0 38					
	PHD	In Program		1	25	25	25.0	25			

Report: Committee Service

Committee Service

For inclusive terms 201401 - 201409

This reports the committees on which staff served within the indicated time period and the committee role played.

Staff Name	Committee	Committee Role	Student			
, tarrivanic		committee note	Last Name	First Name		
Pike, GB						
	Advisory	Chair's representative				
			and the	Sean Jy-Shyang		
		Students under role: 1				
	Advisory	Member				
			NAME OF THE OWNER, WHEN THE PARTY OF THE OWNER, WHEN THE OWNER, WHEN THE OWNER, WHEN THE OWNER, WHEN THE OWNER,	Mina		
		Students under role: 1				
	Advisory	Supervisor				
			美国的政治和1978年基本的政治	Marika		
			\$1.00 mails	Silvain		
			Mesons and	Avery		
			STATE OF THE STATE	Mathieu		
			See See See Se	Halleh		
			134x	Ye		
			ft o	Yuhan		
		Students under role: 7				
	Total Students U					
	Oral Defense	Supervisor				
			美国的企业 技	Silvain		
		Students under role: 1				

Total Students Under Committee: 1

Report: Graduation Stats

Time to key meetings and graduation

Graduation Statistics (Multi-Year)





The statistics are for students who had a Graduated status with a date within January 1 of the starting year to December 31 of the ending year, inclusive. All statistics are relative to the start of admission and take into account the time that students were on leave.

Degree	Year (Calendar)	Admit CC Year	No. of Graduates	Months to (1) Comp Exam			Months to (1) Initial Thesis Submit-1		Months to (1) Final Thesis Submission				(2)		
				Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max
Biolog	ical and Bio	medical E	ngineering P	rog.											
MENG															
	2021	1+	16				14	24.0	36	15	27.5	39	18	30.0	42
	2022	1+	22				19	23.0	60	20	27.0	61	26	30.0	62
	2023	1+	17				19	27.0	43	21	29.0	47	26	34.0	50
	2024	1+	17				18	23.0	38	21	25.0	41	26	30.0	42
PHD															
	2021	2	10	13	15.0	21	35	51.0	63	39	55.5	67	42	58.0	70
	2022	2	6	4	15.5	18	35	43.0	68	39	49.0	71	42	52.0	74
	2023	1	2	16	18.5	21	55	55.0	55	58	58.5	59	62	62.0	62
		2	14	11	17.0	24	47	53.5	77	51	57.0	79	54	62.0	82
	2024	2	16	11	16.5	24	25	54.5	70	28	61.0	79	30	64.0	82

Notes

^{(1):} Min and Max values have an error of +/- 1/2 month because the value is rounded to the nearest integer.

^{(2):} Min and Max values have an error of +0, -1 month because the graduation date is rounded to the end of the convocation month.

GTS: Deployment to a New Department

- GTS functionality is defined by entries in the database
 - No MS Access programming required
 - Set up and managed by GTS support staff
- Department must define:
 - Meeting sequence(s)
 - Complexity is determined by what is tracked and to what extent
 - Tasks associated with each meeting
 - Internal academic requirements (if any)

GTS Support

- Staff training
- Instructional videos
- Best practices guide (FAQ, etc.)
- Special needs/requests



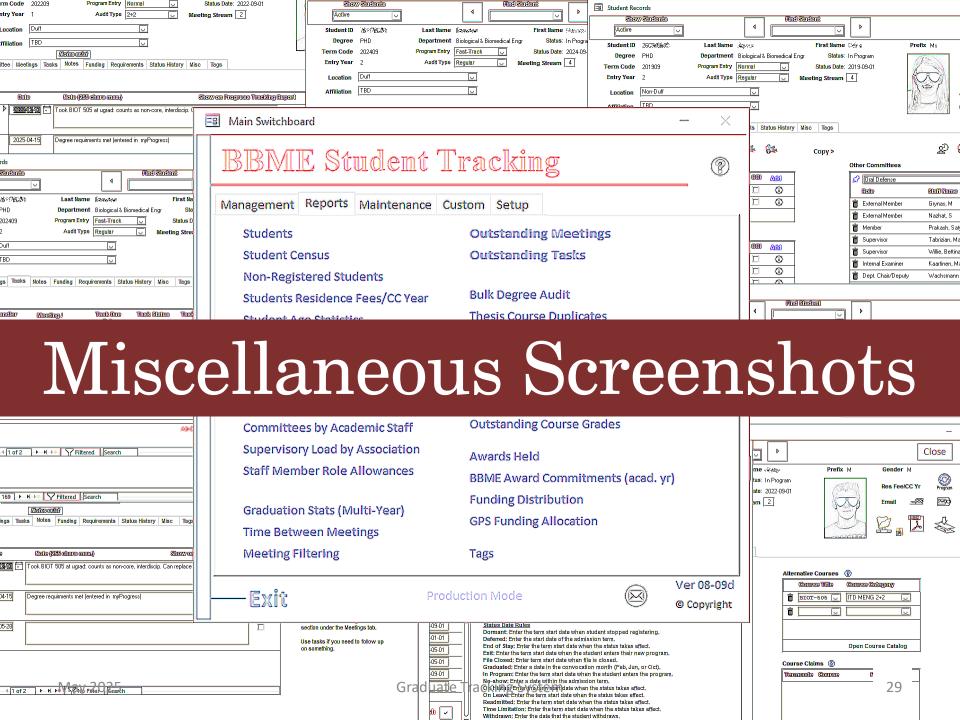
Manuals

Videos

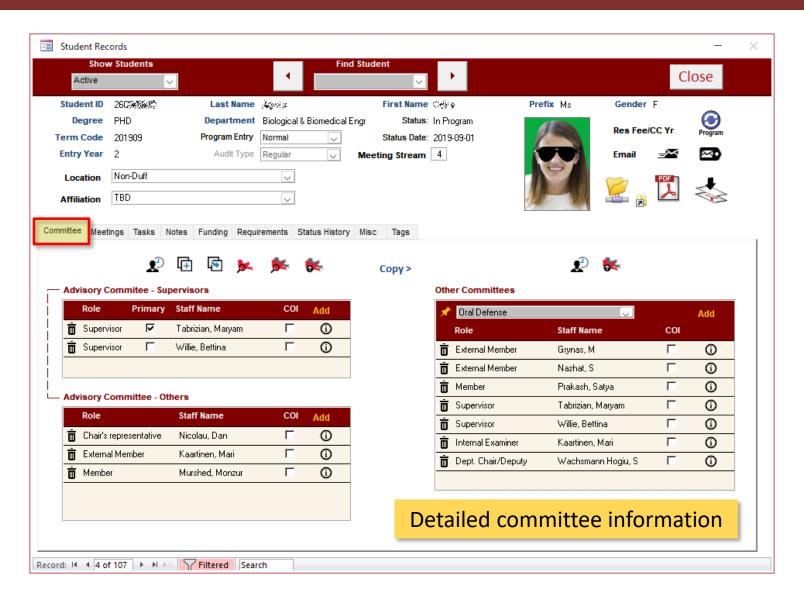
This page contains information on how to use the GTS.

Videos have a searchable table of contents that may be activated by clicking on the icon highlighted in the lower right corner of the player, as shown below.

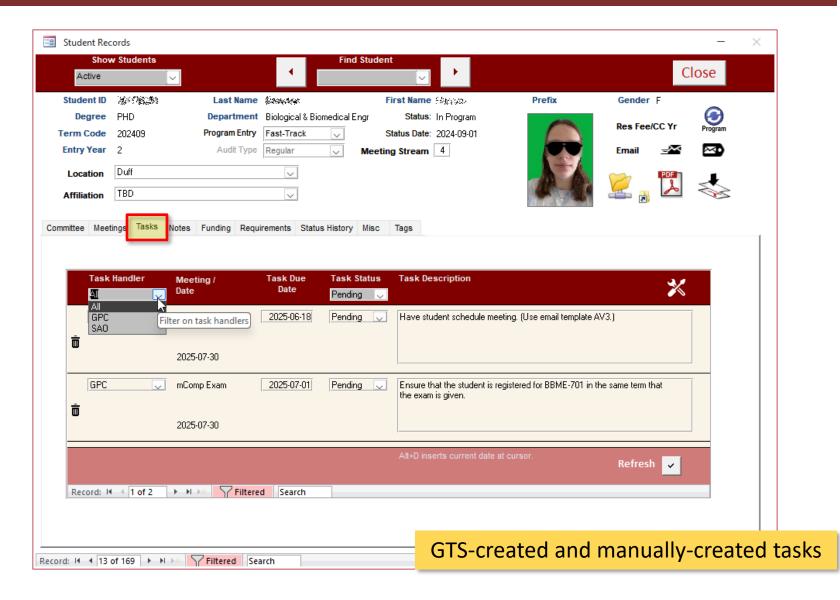




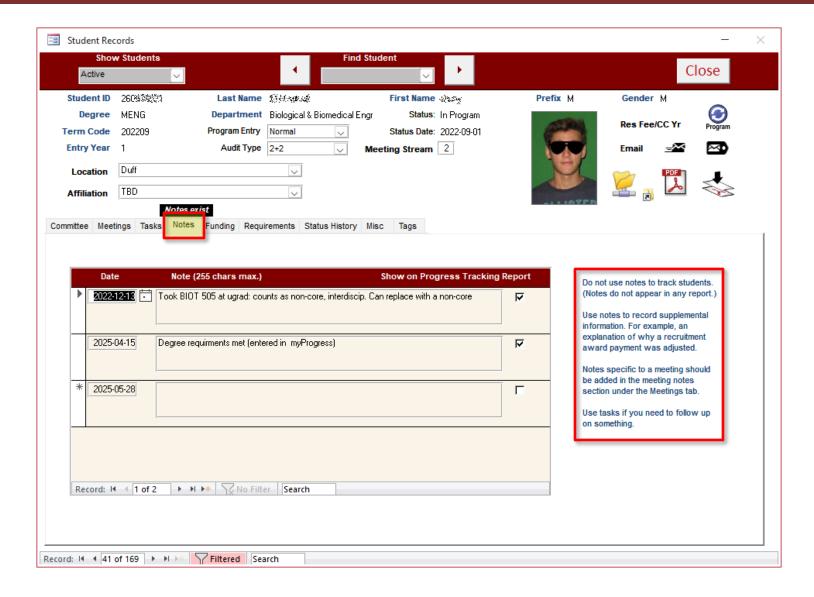
Student Record: Committees



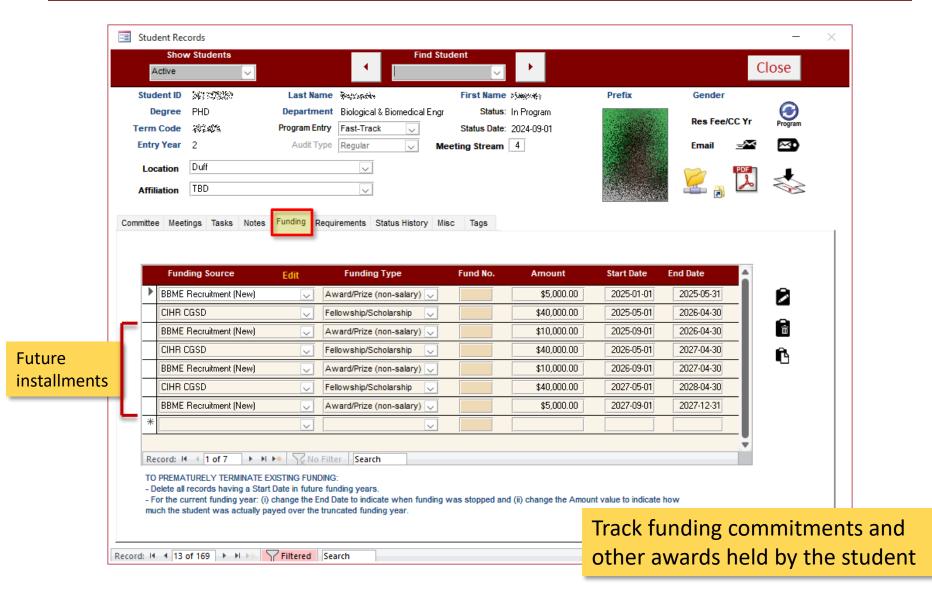
Student Record: Tasks



Student Record: Notes



Student Record: Funding

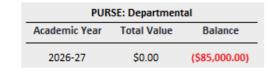


Report: Student Funding Commitments

BBME Purse Allocation for an Academic Year

Term Interval: 202609 to 202705 (inclusive)

11 awards in this category





Award Source	Degree	ID	Student Name	Amount	Term Code (Admit)	Start Pay Month (1)	Res. Fee Code (2)
BBME Recruitment (New)	PHD	261	Belletinik, Salada	\$5,000.00	202309	9	1
BBME Recruitment (New)	PHD	260 1230	has sing bost	\$10,000.00	202409	9	Q
BBME Recruitment (New)	PHD	261 💥	Bioringspile, Horizonia	\$10,000.00	202409	9	С
BBME Recruitment (New)	PHD	260%	contract that	\$10,000.00	202409	9	Q
	BBME Recru	itment (New)	PHD 260億分分45 (計画) 等級数			\$10,000.00	20240

11 students in PHD

Sub-total over award sources

\$85,000.00

11 students in total receiving BBME awards

Total Commitments

\$85,000.00

Notes:

(1): A highlighted Start Pay Month indicates that payment for the student may have to be suspended because they are not in active studies. Check the student's status.

(2): The field will be blank when no information is found in Banrep.

Purse Note:

None

Financial commitments entered in student records yield reports on current and future funding needs

Residence Fee Definitions

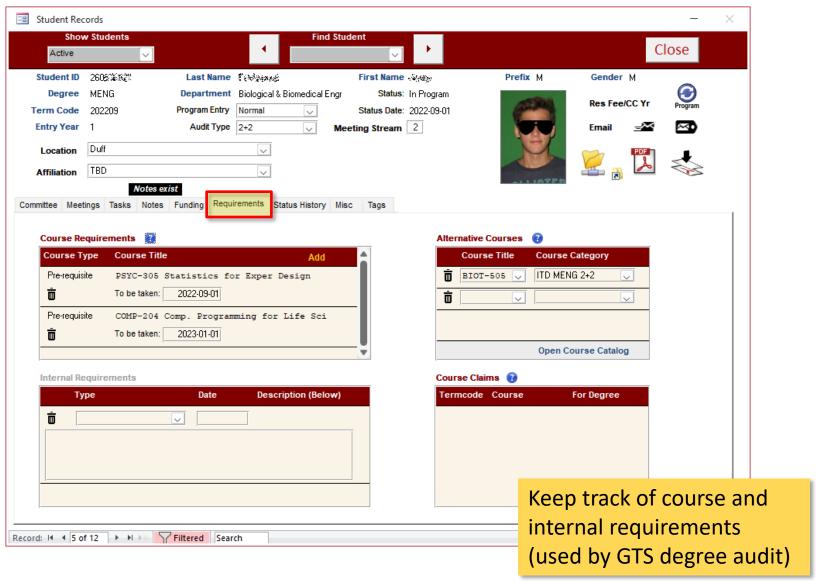
Code	Description
С	Canadian or permanent resident
1	International
Q	Quebec resident
X	Government Exemption (Qc fees)

May 28, 2025

Database Ver 08-09d

Page 1 of 1

Student Record: Requirements



Student Record: Status History

