ABE Science Articulation Committee

MINUTES BRITISH COLUMBIA COUNCIL on ADMISSIONS AND TRANSFERS (BCCAT)

Online
Oct 20/21, 2022

Present – Day 1

Member Institution	Representative	Email
Camosun College	Ryan Suleman	suleman@camosun.ca
Carriosuri College		
6 11 11 11	Chris Avis	avisc@camosun.ca
Capilano University	Michelle Gunness	mgunness@capilanou.ca
	Richard Brand	thomasb@capilanou.ca
	Bill Kershaw	wkershaw@caplianou.ca
	Charles Hooge	chooge@capilanou.ca
Coast Mountain College	Michael Nelligan	MNelligan@coastmountaincoll
		<u>ege.ca</u>
College of New Caledonia	Dino Gigliotti	gigliottid1@cnc.bc.ca
College of the Rockies		
Douglas College		
Kwantlen Polytechnic University	Barnabe Assogba	dossou.assogba@kpu.ca
Langara College		
Native Education College		
Nicola Valley Institute of Technology		
Northern Lights College	Jeanette Landry	jlandry@nlc.bc.ca
Northern Lights College	Marcie Lundin	mlundin@nlc.ca
North Island College	Michele Jones	michele.jones@nic.bc.ca
North Island College	Sherrie Wang	Sherrie.wang@nic.bc.ca
Okanagan College	Arthur Bakx	abakx@okanagan.bc.ca
Charlagari College	Jessica Morcom	jmorcom@okanagan.bc.ca
Selkirk College	Christine Carlson	ccarlson@selkirk.ca
Commit Comogo	Ellie Knight	eknight@selkirk.ca
Thompson Rivers University	Christine Miller	cmiller@tru.ca
	Tory Anchikoski	tanchikoski@tru.ca
TRU-OL	Derek Knox	dknox@tru.ca
University of the Fraser Valley	Raji Balagopal	Raji.balagopal@ufv.ca
	Greg St. Hilaire	Greg.sthilaire@ufv.ca
Vancouver Community College	Ellen Turone	eturone@vcc.ca
, ,	Judith Wallace	juwallace@vcc.ca
	Nasifeh Tohidi	ntohidi@vcc.ca
	Greg Colombo	gcolombo@vcc.ca
Vancouver Island University	Stephanie Boychuk	Stephanie.Boychuk@viu.ca
	Natalie Cielanga	Natalie.cielanga@viu.ca

Date Page #

	Alex Hodge	Alex.Hodge@viu.ca
Yukon University	Stephen Biggin-Pound	sbigginpound@yukonu.ca
BC Institute of Technology	Jimmy Lowe	jlowe@bcit.ca
	Soizic Wadge	swadge@bcit.ca
BCCAT	Annabella Chun	achun@bccat.ca
GUEST NAME		
GUEST NAME		
GUEST NAME		



Recorder: Michelle Gunness – Capilano University Welcome from Greg St. Hilaire

- 1. Meeting Called to Order at 9:00 a.m.
- 2. Introductions/welcome
- Approval of Agenda and Any Additional Items Motion: to adopt the Agenda with additions M/S/C
- Approval of minutes of the Articulation Committee meeting of <DATE> M/S/C
- Business Arising from Previous Minutes None
- 6. BCCAT Report Annabella Chun
 - JAM-Nov 3 and 4; keynote on pathways for FN students; online first day, in person second day: https://www.bccat.ca/articulation/jam
 - Annual meeting updates: most committees still meeting online or in hybrid
 - Technology: Two features being introduced:
 - reciprocity tool to identify agreements and allow transfer between institutions;
 - BC Transfer Guide widget so institutions can include search on their own website
 - ABE Moodle page has been updated for 2022
- 7. Steering co-Chair Report and Ministry of Advanced Education Skills and Training Report Stephanie Boychuk
 - Current cochairs are Stephanie Boychuk (VIU) and Shantel Ivits from (VCC)
 - ABE Transfer Guide is one of most frequently accessed sites on BCCAT website; BCCAT director is working to address search issues to make it more effective for users:
 - All sub-committees need to review and confirm that articulation dates and courses are up to date - spreadsheets to be reviewed by Science Working groups during articulation this week
 - AEST (Advanced Education, Skills and Training) report:
 - overall declining enrollment in ABE
 - Adult Upgrading Grant has been updated-new manual published. One key update is that technology can now be covered by AUG; check with your institution to be sure they have up to date info for AUG - https://studentaidbc.ca/sites/all/files/school-officials/AUG-manual.pdf
 - Pathways funding has been allocated to 11 post-secondary institutions

 Irving K. Barber Transition Award for ABE students-this is an often underutilized financial resource for upgrading students. More information for students here: https://www.ikbbc.ca/transition-award/about-this-scholarship/

Deans and Directors:

- There have been many changes to membership of this group, so they may not all be as aware of ABE as in previous years
- Base funding for how provincial funds are allocated to institutions for ABE have changed in recent years
- Many students struggling to manage life and education-offering online is still supported by administration; many students say this is the best way to manage life balance, although it doesn't necessarily lead to best outcomes for all students
- Handbook: BCCAT hosts the handbook but doesn't manage it; transfer grid and things that need
 regular updates have been removed. The website has this info now, so students should find it
 by that search. Membership updates kept up to date by Steering Committee
 - AEST hosts most current handbook: https://www2.gov.bc.ca/gov/content/education-training/adult-education/adult-upgrading (about halfway down page)
 - BC Transfer Search: https://www.bctransferguide.ca/transfer-options/adult-basic-education/ has link to archive of transfer guides under the "ABE Articulation Handbook" link
- Cross-listed courses and articulation:
 - Some courses are crosslisted between working groups, e.g. Science and First Peoples.
 Where this is the case, the subject group will approve outcomes for their group and then it will be separately articulated by First Peoples working group. Steering will be responsible for ensuring that courses have been approved by each required working group.
- 8. Other Guest Reports/Presentations-

Okanagan College Program Review (Jessica Morcom)

- Okanagan College is offering New Pathway programs:
 - Dual credit for students entering practical nursing from HCA (Bio 12/PNUR 113)-first term of offer
 - Offered online but one synchronous meeting per week
 - In development: Math for Trades- to help students prepare for their math entrance exam for entering trades
- OC is also undergoing Program Review and had several questions for the group, related to this and to the development of Pathway programs:
 - Do you have delivery models that are working for both increased registration and students successfully completing?
 - Have you reduced class times?

Responses:

- Working on pathways with ECE and EA programs to give high school requirements while completing/preparing for those programs
- currently in Lillooet

VIU

- Pathway programming involves ABE faculty developing curriculum in cooperation with the
 the programs that will receive students, so that these programs will include this curriculum
 in their own courses. Currently in place in ECE, Nursing, Science and Tech (computing science,
 engineering) programs.
- Offer continuous intake, online: have been offered for long time, high demand but low completion

Northern Lights College

Essential skills for the Trades is a pathway that has been offered for some time

VCC

• self-paced students are wanting hi flex, enrollments are up but drop-in hours are reduced from 5 to 3 days per week.

NIC

- students want face-to-face but only hybrid is being offered currently. General feedback from students, is that the hybrid model does not work for them.
- Smaller campuses finding students struggling with online, prefer face to face but many programs reduced.

Presentation by Barnabe Assogba

Barnabe shared a presentation about his research into APOBEC-3G in Feline cells and tissue:

<u>Detection and Role of Feline Apolipoprotein B mRNA-editing Enzyme Catalytic Polypeptide</u> <u>Subunit 3G-Like Protein in Feline Cells and Tissues | bioRxiv</u>

Present – Day 2

Member Institution	Representative	Email
Camosun College		
Capilano University	Michelle Gunness	mgunness@capilanou.ca
	Richard Brand	thomasb@capilanou.ca
Coast Mountain College	Michael Nelligan	MNelligan@coastmountaincoll
		ege.ca
College of New Caledonia	John Pacheco	pachecoj@cnc.bc.xa
College of the Rockies		
Douglas College		
Kwantlen Polytechnic University	Barnabe Assogba	dossou.assogba@kpu.ca
Langara College		
Native Education College		
Nicola Valley Institute of Technology		

Northern Lights College	Jeanette Landry	jlandry@nlc.bc.ca
3 3	Marcie Lundin	mlundin@nlc.ca
North Island College	Michele Jones	michele.jones@nic.bc.ca
J	Sherrie Wang	Sherrie.wang@nic.bc.ca
Okanagan College	Arthur Bakx	abakx@okanagan.bc.ca
	Jessica Morcom	jmorcom@okanagan.bc.ca
Selkirk College	Christine Carlson	ccarlson@selkirk.ca
_	Ellie Knight	eknight@selkirk.ca
Thompson Rivers University	Christine Miller	cmiller@tru.ca
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TRU-OL	Derek Knox	dknox@tru.ca
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	Tom Leavitt	Tom.leavitt@viu.ca
Yukon University	Stephen Biggin-Pound	sbigginpound@yukonu.ca

9. ITEM/TOPIC

Sub-committee Reports

Biology (Jessica Morcom)

- Static link for referencing previous versions of articulation guide is available and will be included in all approved outlines
- Various ways to accommodate distance learning for students are being used but most institutions are trying to bring students to campus for in-person labs as much as possible
- Provincial biology has been re-articulated; most institutions in attendance have been accepted,
 a few need some changes for next year
- Some institutions haven't attended articulation for a few years, so need to proceed with notices that they will be removed from the articulation grid
- Open resources for Provincial Biology to support the open textbook have been developed by Christine Miller-some are available to share, some are still in development: lecture slides, test bank, lab manual

Motion: Accept courses that have been articulated by the subcommittee as presented. (Jessica Morcom, Stephanie Boychuck)

Motion carried, none opposed.

Motion: Update Ecology learning outcomes in the articulation guide to match those in Human Biology for the topic of Cell Biology. (Jessica Morcom, Stephanie Boychuck)

Motion carried. None opposed

Motion: Accept minutes of Biology Subcommittee. (Greg Colombo, Jeanette Landry). Motion carried, none opposed.

Chemistry (Ellie Knight)

- Judith shared updated IUPAC naming conventions
- o Some colleges have not attended for a few years

- Some still pending updates
- o Provincial outcomes updated last year so outlines should be updated accordingly.

Motion: Accept minutes of Chemistry Subcommittee (Michael Nelligan, Sherry Wang).

• Motion carried, none opposed.

General Science (Richard Brand)

- Reviewed and updated articulation outcomes
- General Science at Advanced level offered by one school, and one Advanced Biology on the grid as general science (NVIT)

Motion: Approve minutes of General Science subcommittee. (Stephanie Boychuck, Christine Miller) Motion carried. None opposed.

Physics (Richard Brand)

 Provincial physics should have been re-articulated last year, but there were errors in the handbook so instead corrections were discussed last year. As a result, re-articulation of provincial physics had not been completed to match these new outcomes.

Motion: Rearticulate both Provincial Physics and Provincial Chemistry at the 2023 Science subcommittee meeting, and General Science in 2024 (Michelle Gunness, Ellie Knight) Motion carried. None opposed.

Motion: Accept minutes of Physics subcommittee meeting (Michele Jones, Stephanie Boychuk) Motion ITEM/TOPIC (Summarize discussion)

10. ITEM/TOPIC



Oct 20, 2022 General meeting 9 am – 10:30 am, 1:00-1:30 pm

Attendance

Name	Institution	Email	Subcommittee
Arthur Bakx	ОС	abakx@okanagan.bc.ca	Chemistry, Physics
Barnabe Assogba	KPU	dossou.assogba@kpu.ca	Biology
Christine Miller	TRU	cmiller@tru.ca	Biology, General Science Chair, General Science Subcommittee
Christine Carlson	Selkirk	ccarlson@selkirk.ca	Physics
Derek Knox	TRU-OL	dknox@tru.ca	All subcommittees
Dino Gigliotti	CNC	gigliottid1@cnc.bc.ca	Chemistry and Physics
Ellen Turone	VCC	eturone@vcc.ca	Biology, Physics, General Science
Ellie Knight	Selkirk	eknight@selkirk.ca	Chemistry, Biology Chair, Chemistry Subcommittee
Greg St.Hilaire	UFV	Greg.sthilaire@ufv.ca	Biology Chair, ABE Science Articulation
Greg Colombo	vcc	gcolombo@vcc.ca	Biology
Jessica Morcom	OC	jmorcom@okanagan.bc.ca	Biology and General Science Chair, Biology Subcommittee
Jeanette Landry	NLC	jlandry@nlc.bc.ca	All subcommittees
Judith Wallace	vcc	juwallace@vcc.ca	Chemistry
Marcie Lundin	NLC	mlundin@nlc.ca	Physics and General Science
Michelle Gunness	CapU	mgunness@capilanou.ca	Biology
Michele Jones	NIC	michele.jones@nic.bc.ca	Biology
Nasifeh Tohidi	VCC	ntohidi@vcc.ca	Physics
Raji Balagopal	UFV, VCC	Raju.balagopal@ufv.ca	Chemistry
Sherrie Wang	NIC	Sherrie.wang@nic.bc.ca	Chemistry
Richard Brand	CapU	thomasb@capilanou.ca	Chair, Physics and General Science subcommittees

Stephanie Boychuk	U Stephanie.Boychuk@viu.ca	Biology
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Acceptance of Agenda and past minutes

None opposed.

Updates from Steering Committee (Stephanie Boychuk)

- Current cochairs are Stephanie Boychuk (VIU) and Shantel Ivits from (VCC)
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Anabelle Chun - BCCAT updates

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 3G-Like Protein in Feline Cells and Tissues | bioRxiv

Oct 21, 2022 General meeting 10:30 am - 12:30 pm

Attendance

- 1. Greg St Hilaire UFV
- 2. Barnabe Assogba- KPU, UFV
- 3. Christine Miller TRU
- 4. Tory Anchikoski TRU
- 5. Derek Knox TRU-OL
- 6. Jessica Morcom OC
- 7. Ellie Knight Selkirk
- 8. Ellen Turone VCC
- 9. Judith Wallace VCC
- 10. Greg Colombo VCC
- 11. Stephanie Boychuk VIU
- 12. Tom Leavitt VIU
- 13. Michelle Gunness CapU
- 14. Richard Brand CapU
- 15. Jeannette Landry- NLC
- 16. Marcie Lundin NLC
- 17. Michele Jones NIC
- 18. Sherrie Wang NIC
- 19. Michael Nelligan Coast Mountain
- 20. Raji Balagopal UFV, also VCC
- 21. Christine Carlson Selkirk
- 22. Nafiseh Tohidi VCC
- 23. John Pacheco CNC

Subcommittee reports

Biology (Jessica Morcom)

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Motion: Accept minutes of Physics subcommittee meeting (Michele Jones, Stephanie Boychuk) Motion carried. None opposed.

Other discussion items

Institutional Updates

BCIT- no report

Camosen - no report

CapU – most classes are full; flex classes are being offered (mixed in person/online); demand remains high for remote learning

COTR - no report

Kwantlen – 50% full; labs in person, classes online

- NIU all labs on campus, but lecture online (determined by admin); enrollments are lower; only one classroom that allows flex so limited ability to use that teaching model; for chemistry all delivery formats are available; students like the hi-flex especially on distributed campuses but this mode is difficult for instructors (effectively teaching two courses at the same time with in-person and remote students)
- NLC minimum grade 12 requirements are all available online; fundamental are available in person; others available by video conference (brings 4 campuses together)
- OC enrollments are low; primarily face-to-face (labs and most classes); considering more alternative formats Selkirk domestic numbers across campus are almost at pre-pandemic, international still low; when given choice last year most students onted for online, but were not successful; this year all classes are in-
- choice last year most students opted for online, but were not successful; this year all classes are inperson but with accommodations from main campus; smaller regional campuses with low enrollment (e.g. one student in Provincial Chemistry on a campus)
- TRU new provost is interested in improving regional programming, which is good for ABE; retirements not being replaced so lots of work delivered by non-tenured faculty; investigating concierge model for enrollment (modelled by Selkirk) helping to convert inquiries into enrollments and support students; no hybrid programming because of standing agreements between TRU and TRUOL;
- TRUOL seems to have better completion rates this year; lack of peer collaboration
- UFV faculty name has changed, combined with Professional Studies (incl Social work, Business), now called Faculty of Education, Community and Human Development; good enrollments in advanced and provincial; various modes of delivery (some fully online to fully face-to-face)
- VCC Classroom based: enrollments more or less back to pre-Covid levels; ABE is face-to-face; some instructors record lessons for students who are sick, but expectation is primarily in person.
 - -Self-paced: most students still prefer online; many want to do testing in evening rather than daytime, so harder for instructor scheduling; enrollments are good.

NEC – no report

- VIU collapsed International Education faculty, now part of Development; administrative changes ongoing; some large departments talking about developing prep courses to prepare students for fall rather than have them in ABE, some enrollments low; Pathways (72 enrollments!) integrated into standard classes, physics 12 enrollments are low (small classes), may reduce offering to once per year, physics students have had improved success being in person; has a committee that is looking at developing standards for online offering of courses (e.g. a standard shell for delivery of courses)
- Coast Mountain College several campuses with small population, therefore online has offered increased opportunities for regional online offerings (kitchen labs package sent from library); involved with "Contact North" remotely staffed learning centres that can help support students doing online learning

through CMC; retirements not replaced so decrease in instructors, which is limiting courses that can be offered due to staffing. Terrace campus has new student housing.

Yukon – no report

Discussion: terminology for First Peoples

• Is there a preferred terminology for Indigenous vs First Peoples to use in articulation discussions? **Action:** Stephanie Boychuk will consult with First Peoples working group.

Articulation tracking and referencing

- Steering committee Moodle site will have an archive of articulation approvals to keep track of when each course was last articulated
- When referring to articulation outcomes in outlines, use the current year in which the outline was
 articulated and has gone through Education Council. For courses articulated this year, the outline will
 reference learning outcomes in 22-23 handbook, and the link to the archive page where handbooks will
 be stored https://www.bctransferguide.ca/transfer-options/adult-basic-education/past-abe-guides/
- Linking to the archive means that in future people can review the articulation guidelines for the year the
 course was actually approved to determine the course content at the time the student completed the
 course.
- 11. BCCAT Transfer Grid Excel Spreadsheet Update
- 12. Election/Re-Election of Chair and/or SLP (if required)

Motion: to approve Christine Miller for Co-chair of ABE Science Committee

M/S/C

13. Next meeting:

Location: Capilano University Date: Oct 19 and 20, 2023.

Meeting adjourned at 1230 pm