

Western Canada Electronics Engineering Technology Articulation Meeting Minutes

NAIT

11762-106 Street NW
Edmonton AB T5G 2R1
June 15 & 16, 2017

Present:

Member	Institution	Contact
David McMillan	NAIT	Dmcmillan@nait.ca
Alan Duncan	Camosun College	duncana@comosun.bc.ca
Dorothy Rogers	BCIT	Dorothy_Rogers@bcit.ca
David Williams	Okanagan College	dwilliams@okanagan.bc.ca
Jim Murtagh	SAIT	Jim.murtagh@sait.ca

Recorder: Allie Tong, School of Applied Sciences and Technology

Welcome: David McMillan, Chair Electronics Engineering Technology Program Chair

Meeting Called to Order at 9:55 am

Introductions and Welcome – David McMillan

Tour of Nait SIM Centre and CAT (Centre for Applied Technologies) Building June 15, afternoon

A tour of the Electronics Engineering Technology department is scheduled for June 16.

Industry Tour Campbell Scientific June 15 in the afternoon

Institution Reports will be presented over both days.

Dinner will be held at Ernest's Restaurant, the institute's Formal Dining room Run by the Culinary Arts Pro.

Lunch on both days will be catered.

Regrets: Red River College and SIAST

Approval of Agenda and Any Additional Items

Motion: To adopt the agenda.

Moved: David McMillan Seconded: Alan Duncan Carried

Action Item: Election of Chair of the Articulation Committee for a 3-year term.

Nominated: David Williams, Okanagan College

Moved: Alan Duncan Seconded: Dorothy Rogers Carried

Approval of Previous Minutes of the Articulation Committee meeting May 30-31, 2016

Moved: Dorothy Rogers

Seconded: Jim Murtagh

Carried

Business Arising from Previous Minutes

Presentation of Institutional Reports

David McMillian – NAIT Attachment A

Additional Discussion Topics:

Boards. NAIT sources their boards from Osh Park. There is a \$100 fee for express service, which NAIT pays for. The students are responsible for purchasing their own boards. The order is submitted as a single batch. Delivery is approximately 10 days.

BCIT has moved away from board design.

Camosun has added more.

Okanagan can mill the boards for the students as well as the students can get boards from other sources such as Osh Park.

An idea was to drop the discreet digital and merge it into microprocessors. It is not a major requirement in industry but it is foundational information.

EET staff handle student advising but NAIT is planning to centralize it. No definitive plans have been announced.

Alan Duncan – Camosun College Attachment B

Additional Discussion Topics:

Dual Credit high school courses. Counts as credit in the Access program. Completion of the Access program guarantees a spot in the technology program. The Access Program is 1 year.

BCIT has a similar program.

Residences on campus is an ongoing concern.

Academic advisors are part of student services but not instructional. Students are able to drop courses at any time with no penalties and without needing to speak to the program.

Tour of NAIT SIM Centre and CAT Building

Industry Tour of Campbell Scientific

Friday June 16, 2017

Meeting Called to Order at 9:30

Presentation of Institutional Reports-Continued

Jim Murtagh – SAIT Attachment C

Additional Discussion Topics:

SAIT no longer uses stencils. We use a machine from Volter (cost is \$1800 appx) and is made in Canada. It was used for final projects this year. Contact Jim for more information.

Using EWB instead of MultiSync due to high license fees for Multisync.

SAIT does offer some dual high school/post-secondary credit options, but not in ENT.

Root Cause Analysis – an issue that industry brought up. How to identify why things fail. NAIT has 2 troubleshooting classes. Circuit boards with faulty resistors find the fault and justify it. Transistors and amp boards, create a schematic from a trace/board. Second Course is more system level trouble shooting. Trouble shoot a power supply, circuits that are more complicated, a micro board, a computer network and a 4-stage amplifier board. The network build is a successful project that is completed in groups for 3 for 4 weeks. Received very positive feedback from the students. BCIT and Camosun do not have specific courses but teach it all in labs.

Co-curricular records where extra-curricular activities are credited.

David Williams – Okanagan College Attachment D

Additional Discussion Topics:

Fume Extractors: BCIT does not use a fume extraction system but uses high quality solder instead. It is as good as lead solder. NAIT has charcoal filters that are placed near the soldering stations and the air quality is well within OHS standards. Will be changing to lead free solder soon.

Part of the Canadian Forces Subsidized Education Plan but have not had a student successfully complete yet.

Mature student designations.

Dorothy Rogers – BCIT Attachment D

Additional Discussion Topics:

Classroom devices. SAIT has laptops that are leased to students. The fee is locked into their tuition. The laptop fee covers the licensing fee for the software as well. There are still labs with specialized software. Camosun uses multiple operating systems and there are issues with software compatibility.

Next Meeting:

LOCATION: BCIT, Dorothy Rogers

DATE: TBA

Motion: No Motion put forth

Review of Action Items and Meeting Adjournment

Motion to Adjourn Meeting

Moved: Jim Murtagh

Seconded: David Williams

Carried

Meeting Adjourned at 3:10pm