

## SPONSOR ROLE

Sponsors provide challenging projects at the senior student level that can be completed within a six-month period. Sponsors are expected to meet with their teams, provide project requirements, identify goals of the project, and provide guidance and support throughout the term.

Selected "applied research" projects should:

- be relevant to the programs;
- demonstrate a need or respond to an opportunity;
- be of a scope that can be completed within six months; and
- demonstrate the sponsor's willingness to commit sufficient time, finances, resources and support to the student(s).

Sponsors may be requested to provide the worksite and associated equipment necessary to carry out the project. This can include office space, computers and related office and laboratory equipment.



**IF YOU HAVE A POTENTIAL PROJECT  
OR WOULD LIKE MORE INFORMATION,  
PLEASE CONTACT:**

**Capstone Applied Research Project Office**  
NAIT HP Centre Room W111  
10504 Princess Elizabeth Avenue  
Edmonton, AB

**CONTACT INFORMATION:**

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**AN INSTITUTE OF TECHNOLOGY  
COMMITTED TO STUDENT SUCCESS**

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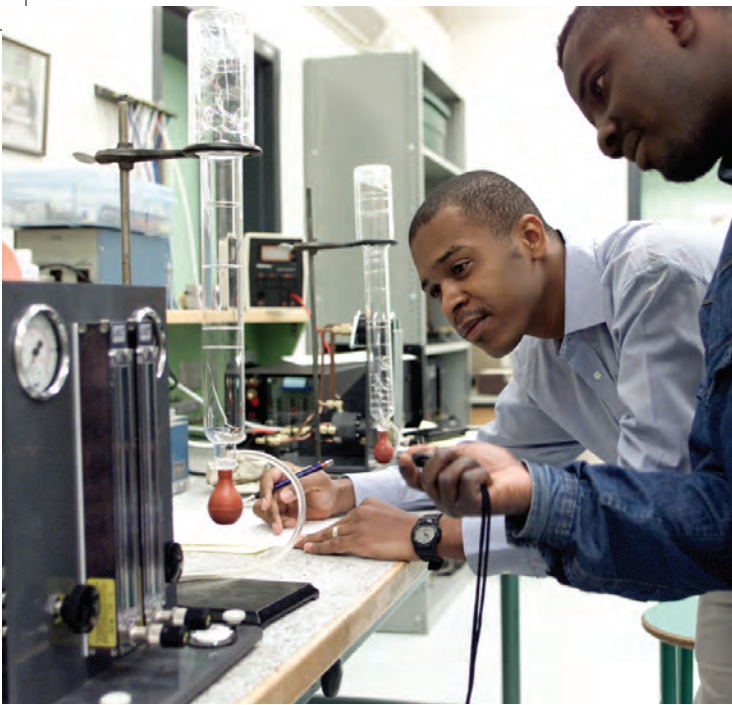
[www.nait.ca](http://www.nait.ca)



**CAPSTONE APPLIED  
RESEARCH PROJECT**

DEGREE PROGRAMS





## CAPSTONE APPLIED RESEARCH PROJECT

NAIT's Bachelor of Technology in Technology Management (BTech Mgmt.) program and the Bachelor of Business Administration (BBA) program offer graduates of two-year diplomas the opportunity to earn a baccalaureate degree with only two additional years of study.

The degrees were developed in direct response to business and industry requests to provide diploma grads with the added dynamic, multi-faceted skills needed for management and supervisory roles.

Graduates from the degrees will have an unbeatable combination of advanced technical and business skills, industry-focused theoretical knowledge, and higher-order strategic thinking, giving them a decided advantage in the global marketplace.

The Capstone Applied Research Project is a six-credit course within the programs. It is designed to provide students with real-world experiences that integrate their learning in an applied, practical project. Students work individually or in teams of three-to-five to investigate an opportunity proposed by the sponsor. These opportunities can deal with:

- business/mechanical/chemical/electrical/electronics/civil technology systems
- questions requiring analysis, synthesis, experimentation, simulation, and/or optimization
- investigation into new business/technical areas, new applications and new technologies, and/or
- new design and/or prototype development.

## PROJECT PROCESS AND TIMELINE

Fourth year students undertake Capstone Applied Research Projects that take place over six months beginning in September of each year. The first two months are preparatory and include the approval of the project, including budget. Workshops will be held at various milestones to provide student guidance as well as allow students to report on their progress (e.g., proposal, preliminary results and challenges ahead). At the conclusion of the project, students will present their projects at a "Capstone Applied Research Project Presentation Symposium." A final written report of publishable quality will be completed.

## STUDENT ROLE

- Meet weekly with team members and faculty advisor
- Determine the scope of the project and prepare a project charter
- Submit and present the project proposal
- Plan-Do-Study-Act on the project
- Provide progress reports and presentations on the project
- Attend milestone workshops/seminars
- Track scope changes and project costs
- Discuss recommendations with the sponsor and faculty advisor
- Ensure that the project meets the requirements specified in the approved proposal
- Submit a final written report and provide an oral presentation
- Complete the project within the defined scope and relevant policies



## FACULTY ADVISOR ROLE

- Become familiar with and understand the approved project
- Meet weekly with team members
- Ensure that the project is the student(s) original work
- Ensure that the project meets the requirements specified in the approved proposal
- Guide the student(s)
- Provide suggestions and feedback throughout the project process
- Liaise with the sponsor as necessary throughout the project
- Mark/assess student assignments/reports/presentations
- Provide final evaluation/grade for the Capstone Applied Research Project course
- Ensure academic quality of the research project

**We are looking for companies and organizations to sponsor Capstone Applied Research Projects within our degree programs.**

