

Concordia University of Edmonton



“Canada’s Preeminent Small University”





About Concordia University of Edmonton

- Over 2000 Students
- Over 70 programs
- 14:1 student to instructor ratio
- North Saskatchewan River Valley Park System (160 KMs of pathways and parks)
- 15 minutes away from downtown by public transportation





Information Security programs at Concordia University of Edmonton

加拿大 埃德蒙顿康考迪亚大学 信息系统安全本硕项目

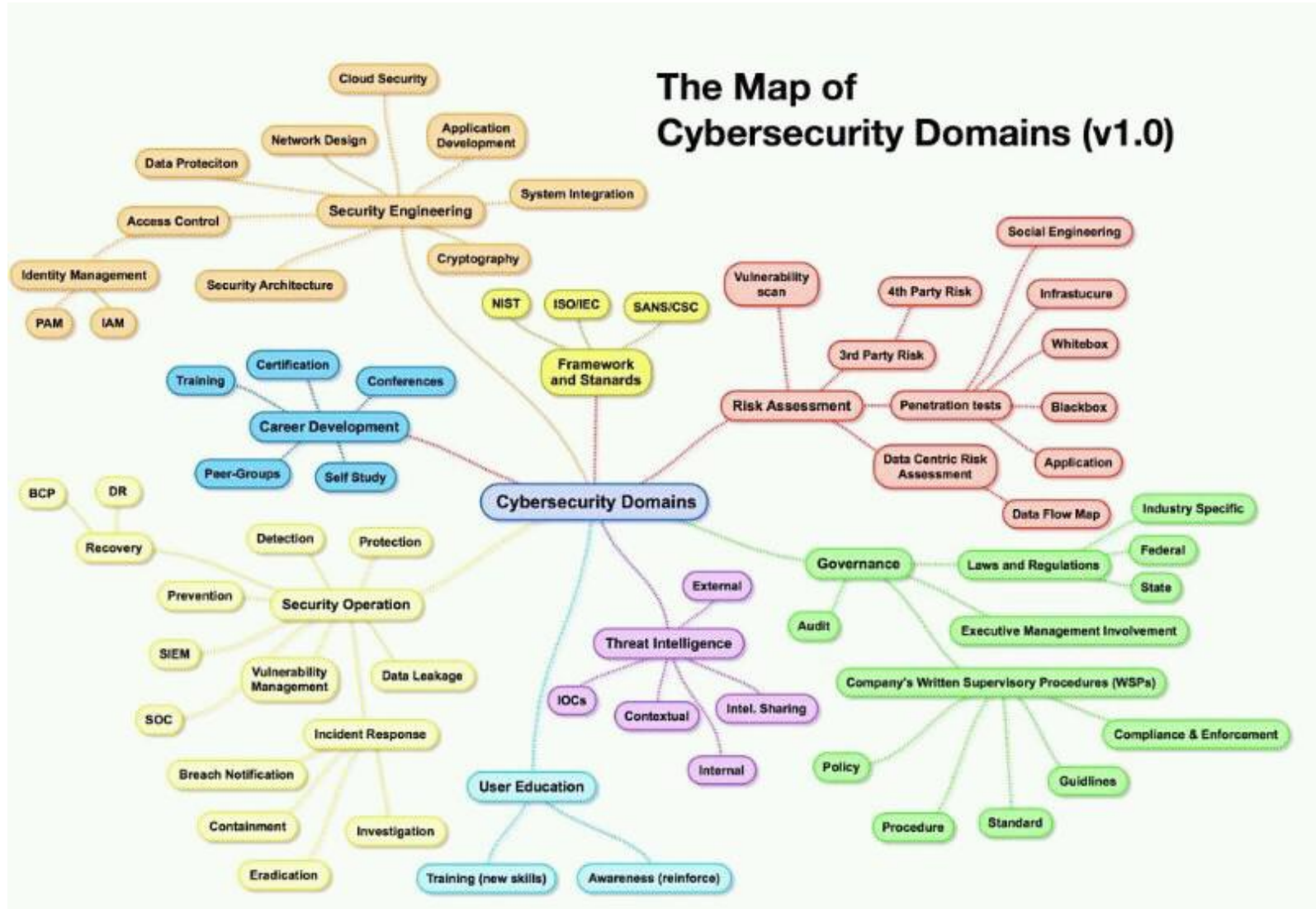
April 11, 2019

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Director, Office of Extension and Culture &
Centre for Chinese Studies

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1-Introduction

– What is cybersecurity?



2-MISSM/GDIS programs at Concordia

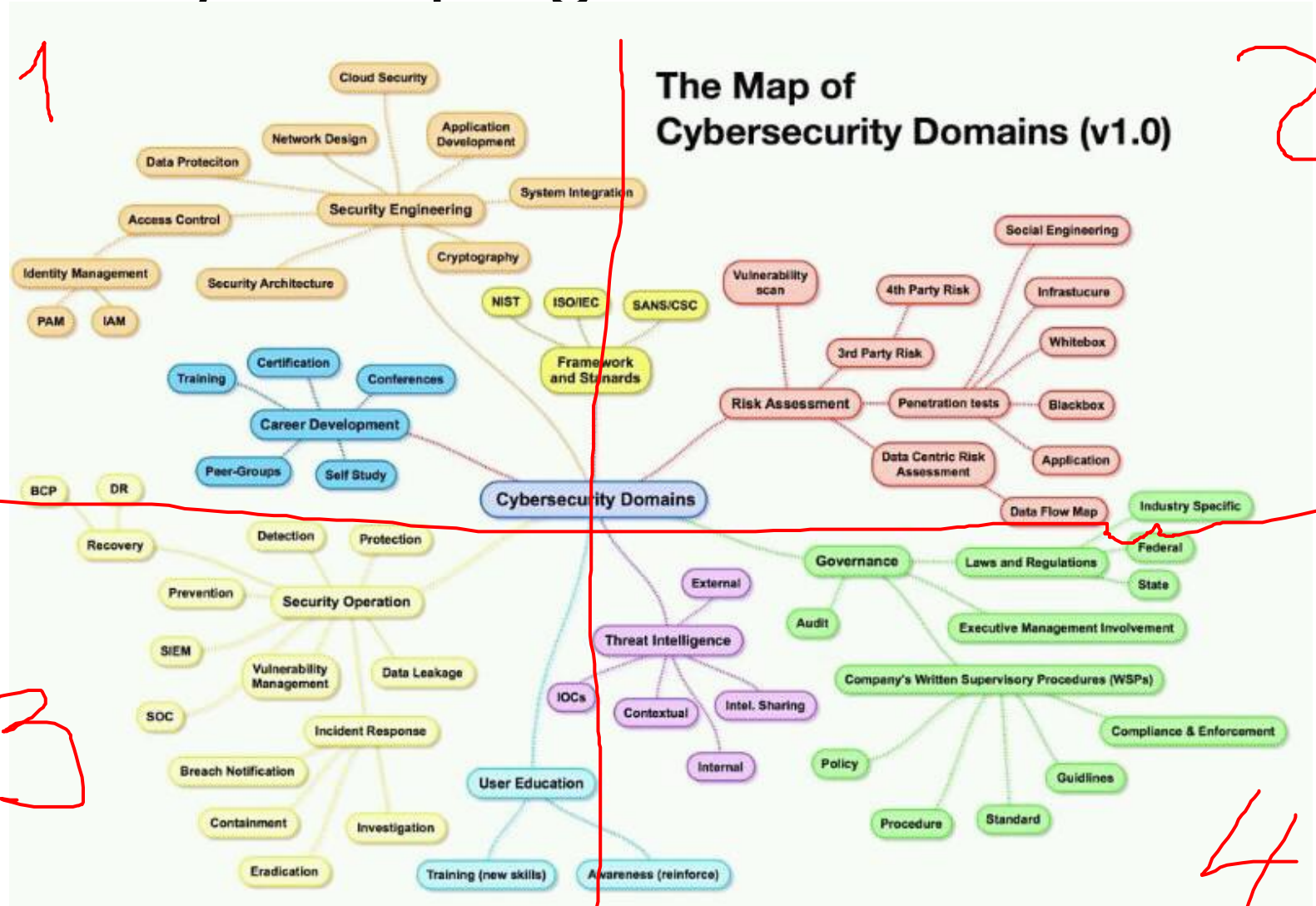
- **M**aster of **I**nformation **S**ystems **S**ecurity **M**anagement
- **M**aster of **I**nformation **S**ystems **A**ssurance **M**anagement
- Course based Masters programs with significant research component:
 - 60 cr overall course work
 - 21 cr research component ($> 1/3$)

MISSM/GDIS programs at Concordia

- Graduate Diploma in Information Security
- Graduate Diploma in Information Assurance
- Course based diploma programs: 6 courses

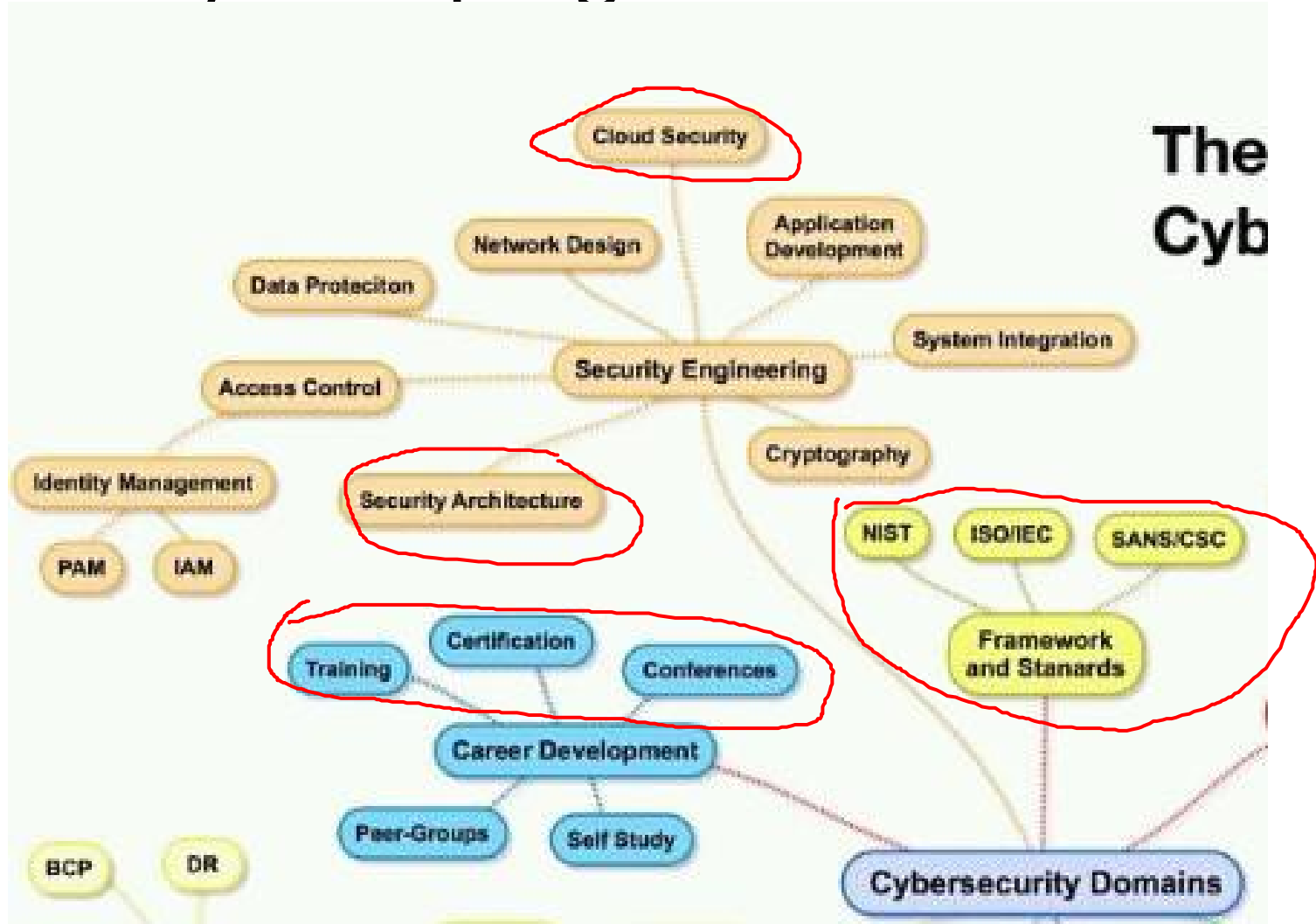
MISSSM/GDIS programs at Concordia

– What is covered in MISSSM



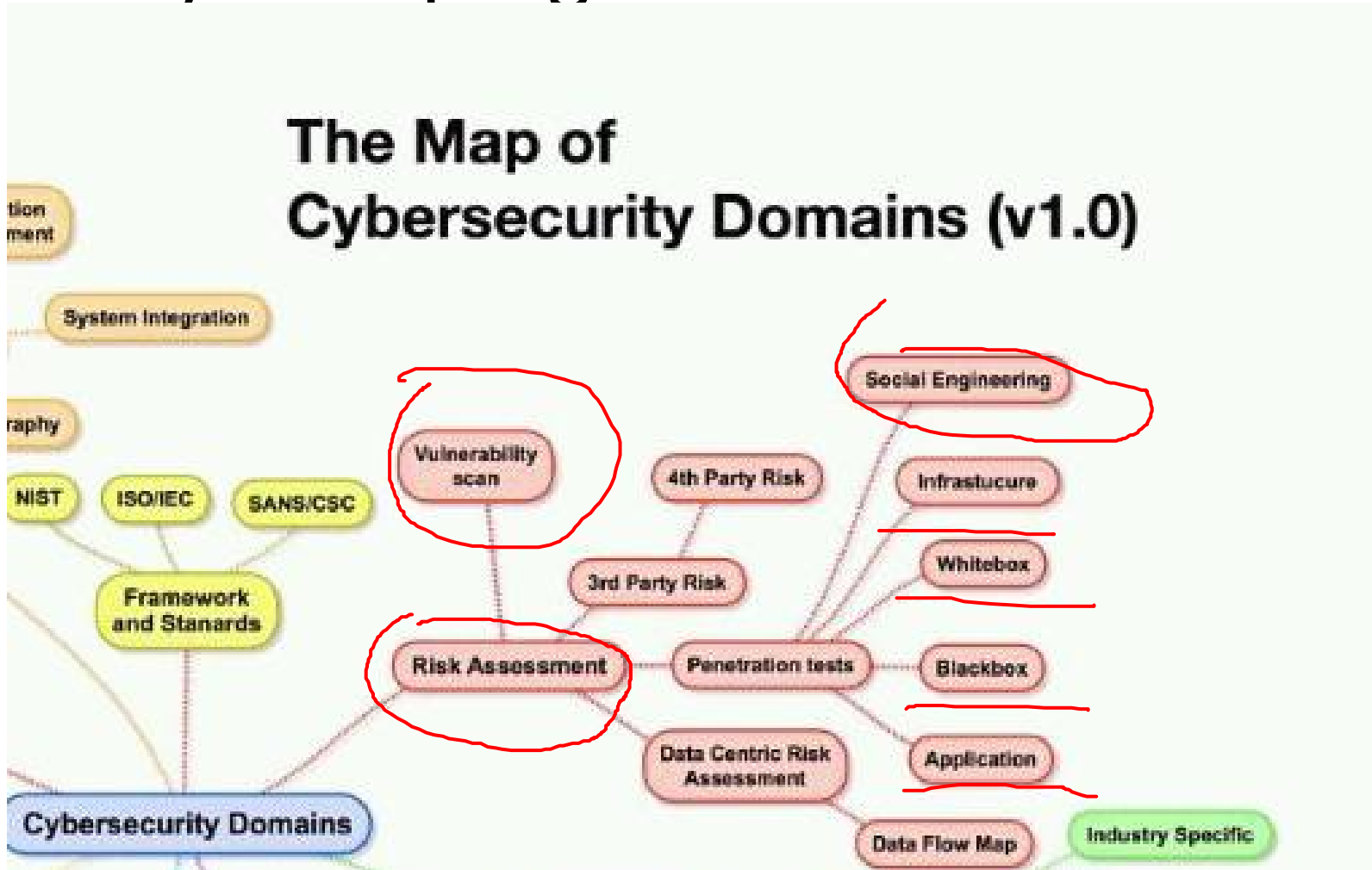
– What is covered in MISSM (1)

MISSM/GDIS programs at Concordia



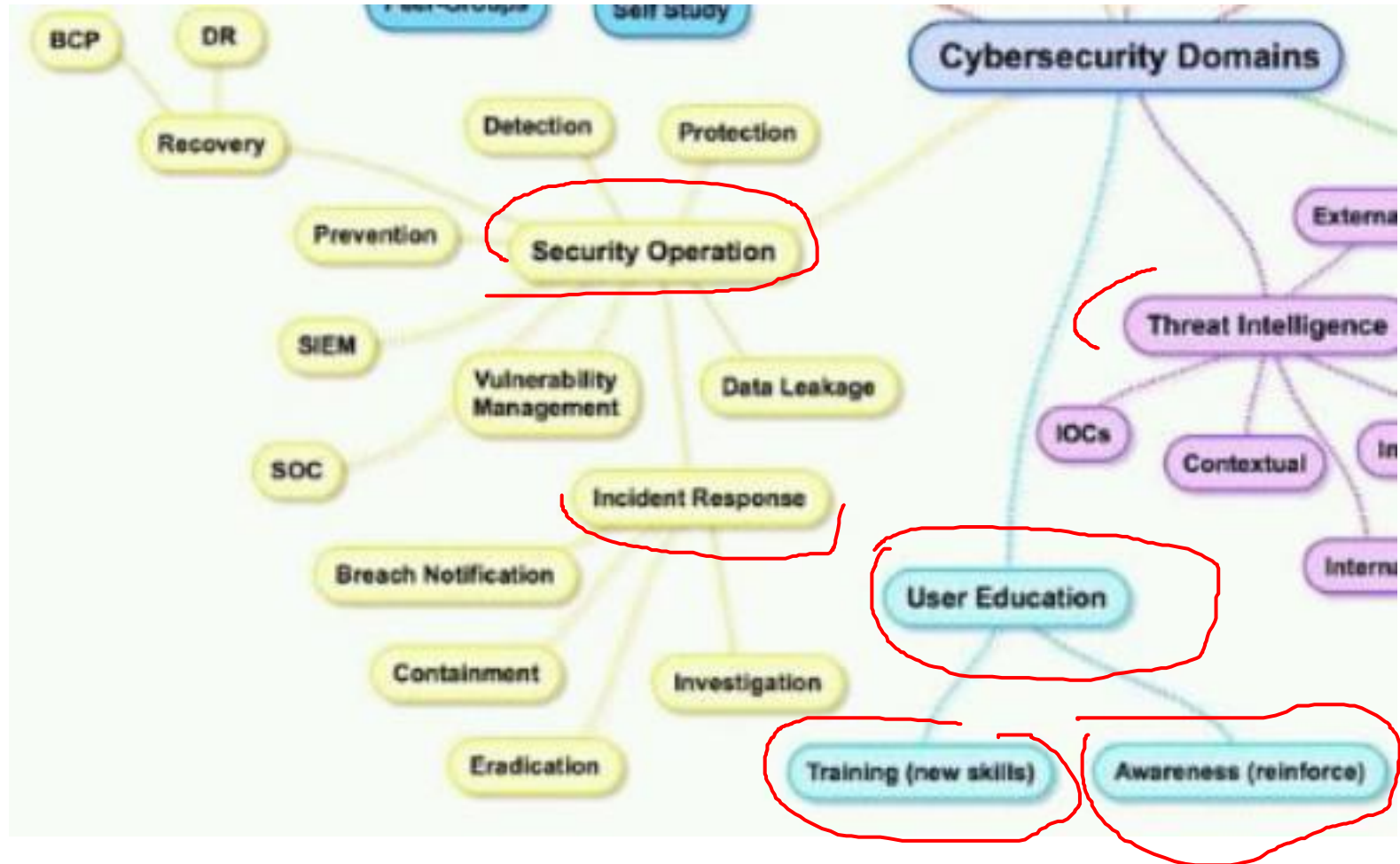
- What is covered in MISSM (2)

MISSM/GDIS programs at Concordia



– What is covered in MISSM (3)

MISSM/GDIS programs at Concordia



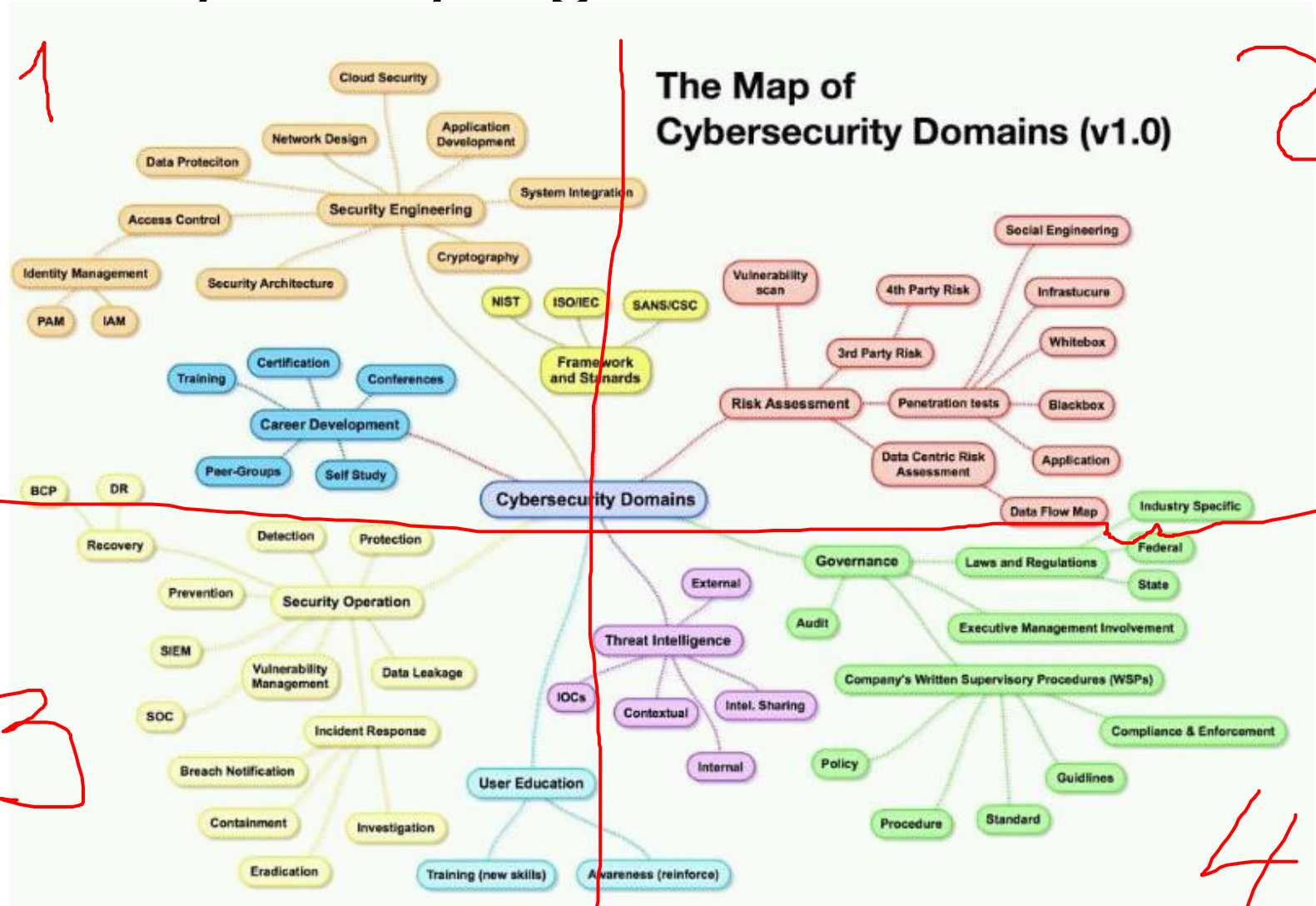
MISSM/GDIS programs at Concordia

– What is covered in MISSM (4)



MISSSM/GDIS programs at Concordia

– What is covered in MISSSM



MISSM/GDIS programs at Concordia

Mandatory courses: (14)

ISSM 521 TCP/IP Security

ISSM 525 Securing an E-Commerce Infrastructure

ISSM 531 Advanced Network Security

ISSM 533 Cryptography and Secure Network Communications

ISSM 535 Firewall Fundamentals

ISSM 536 Digital Forensics

ISSM 538 Research Methods I

ISSM 541 Management Accounting

ISSM 543 Systems Development and Project Management

ISSM 545 Security Policies, Standards and Management

ISSM 551 Disaster Recovery and Planning

ISSM 553 Governance, Risk and Control

ISSM 559 Research Methods II (9 credit hours)

ISSM 561 Information Technology Law and Ethics

Mandatory courses (one required):

ISSM 503 Operating Systems

ISSM 542 Financial Accounting

ISSM 507 Organizational Behaviour

Mandatory courses (one required):

ISSM 581 Research Project in Subject Area (9 credit hours)

MISSM Course Schedule

Term I: (YEAR 1)

ISSM 551 Disaster Recovery and Planning
ISSM 521 TCP/IP Security

ISSM 533 Cryptography and Secure
Network Communications

ISSM 543 Systems Development and
Project Management

TOTAL: 12 credits

Term II: (YEAR 1)

ISSM 535 Firewall Fundamentals
ISSM 553 Risk Management and Analysis
ISSM 541 Management Accounting
ISSM 538 Digital Forensics
One optional course

TOTAL: 15 credits

Term III: (Spring/Summer, YEAR1)

ISSM 531 Advanced Network Security
ISSM 561 Information Technology Law
and Ethics
ISSM 538 Research Methods I
ISSM 525 Securing an E-Commerce
Infrastructure

TOTAL: 12 credits

Term IV: (YEAR 2)

ISSM 545 Security Policies, Standards
and Management
ISSM 559 Research Methods II

TOTAL: 12 credits

Term V: (YEAR 2)

ISSM581 Research Project in Subject
Area (9cr)

TOTAL: 9 credits

TOTAL for the program: 60cr

信息系统安全管理硕士学位课程明细

第 1 学期: (秋季学期, 第 1 学年)

ISSM 551 灾难修复计划
ISSM 521 TCP/IP 安全 (传输控制协议/网
际协议安全)
ISSM 533 密码学及安全网络通信

ISSM 543 系统开发和项目管理

共计: 12 学分

第 2 学期: (冬季学期, 第 1 学年)

ISSM 535 防火墙基础
ISSM 553 风险管理与分析
ISSM 541 管理会计
ISSM 538 数字取证
选修课 1 门

共计: 15 学分

第 3 学期: (春季/夏季学期, 第 1 学年)

ISSM 531 高级网络安全
ISSM 561 信息技术法律与道德

ISSM 538 研究方法 I
ISSM 525 电子商务技术系统安全

共计: 12 学分

第 4 学期: (秋季学期, 第 2 学年)

ISSM 545 安全政策、标准及管理

ISSM 559 研究方法 II

共计: 12 学分

第 5 学期: (冬季学期, 第 2 学年)

ISSM581 学科领域研究项目设计(9 学分)

共计: 9 学分

硕士学位课程所有学分: 60 学分

MISSM/GDIS programs at Concordia

— ALUMNI

~~[Redacted]~~ CISA, CFE
Consultant, Risk Advisory at Deloitte
Deloitte • Concordia University of Edmonton
Edmonton, Alberta, Canada • 102 #

~~[Redacted]~~
Cyber Security Analyst at SecureOps
SecureOps • Concordia University of Edmonton
Montreal, Quebec, Canada • 102 #

~~[Redacted]~~
Senior Information Security Consultant
NTT DATA • Concordia University of Edmonton
Edmonton, Alberta, Canada • 102 #

~~[Redacted]~~
Information Security professional
VCD • Concordia University of Edmonton
Edmonton, Alberta, Canada • 102 #

~~[Redacted]~~
Information Security
NTT DATA, Inc. • Concordia University of Edmonton
Edmonton, Alberta, Canada • 102 #

~~[Redacted]~~
Integration Consultant | Information Security | COMPTIA Sec+ | ITIL | NIST Cybersecurity
Shaw Communications • Concordia University of Edmonton
Calgary, Alberta, Canada • 155 #

~~[Redacted]~~
Systems Analyst at Inland Industrial Supply Ltd
Inland Industrial Supply Ltd • Concordia University of Edmonton
Edmonton, Alberta, Canada • 102 #

~~[Redacted]~~
Security Architecture Consultant
NTT DATA Americas • Concordia University of Edmonton
Edmonton, Alberta, Canada • 415 #

~~[Redacted]~~ MISSM, SSCP, ITIL, CCNA
Information Security Consultant at NTT DATA Americas
NTT DATA Americas • Concordia University of Edmonton
Edmonton, Alberta, Canada • 374 #

3-Research areas

- Risk management
 - Study of Compliance of Apple's Location Based APIs with Recommendations of the IETF Geopriv
 - Study of compliance of Android location APIs with Geopriv.
 - A Training Program to Address Insider Threats within Banks or Financial Institutions
 - Cobit 5 Risk Scenarios Study With Fault Tree Analysis

3. Research areas

- Mobile networks
 - Enhanced User Security and Privacy Protection in 4G LTE Network
 - A Risk Assessment Study Of Children Privacy Of The Mobile Apps
 - Redesigning secure element access control for NFC enabled android smartphones using mobile trusted computing

3. Research areas

- Security policies
 - Main factors and good practices for managing BYOD and IoT risks in a K-12 environment.
 - Recommended Areas of Improvement in the Cloud Security Alliance Cloud Control Matrix v3.0.1 for Improved Security and Privacy of PII in Cloud

3. Research areas

- Network security
 - SCAP benchmark for Cisco router security configuration compliance
 - Automated Security Configuration Checklist for a Cisco IPsec VPN Router using SCAP 1.2
 - SCADA Full State Network Intrusion and Malfunction Detection System
 - Analysis of Effectiveness of CORE Watchdog Mechanism in Mobile Ad Hoc Networks

3. Research areas

- Audit and Assurance
 - Development of an Audit Plan for CRM Systems based on COBIT 5 Framework
 - The Use of Predictive Analytics Technology to Detect Credit Card Fraud in Canada
 - Using COBIT 5 for Risk to Develop Cloud Computing SLA Evaluation Templates

3. Research areas

- Other aspects of security
 - Security Controls for Monitored Use of USB Devices Based on the NIST Risk Management Framework
 - A Method for Detection of Packed Executable using Entropy Difference
 - Assessment of Effectiveness of Black-Box Vulnerability Scanners in Detection of SQL Injection in Web Services Environment.
 - Enhancing Relational Database Security by Metadata Segregation
 - Study of potential attacks on rubber PIN pads based on mobile thermal imaging

4-Admission Requirement 报名条件

--**CNU+CUE**信息系统安全管理专业**4+2**本硕学位联合培养

- 报名院系与专业：
 - 首师大的计算机科学与技术专业
 - 首师大的电子信息工程专业
 - 首师大的信息工程专业
 - 首师大的软件工程专业
 - 首师大的信息管理和信息系统（电子商务）专业

平均分

- 首师大大学生必须在首师大成功完成**3.5**年的学习，
- 并按照康大标准达到各科成绩平均分不低于**GPA 3.0**。相当于百分制的**80**分。

英语水平

- - 托福成绩：最低分数为**550**（PBT）或**80**（iBT）。当要求将官方托福考试成绩发送到埃德蒙顿埃德蒙顿康考迪亚大学时，学生应向康大提供机构代码**0916**。
- - 雅思成绩：最低分数总分为**6.0**，各单项分不低于**6.0**。
- - 楷尔 **CAEL**（加拿大学术英语语言考试）成绩：最低总分为**60**分，各单项分不低于**60**。
- - 皮尔逊英语考试成绩（学术版）：最低分数为**54**。
- - **MELAB**（密歇根英语语言考试）：最低分数为**85**。
- - 通过加拿大国际语言学院（**ILAC**）预科三级课程 **Pathway III**。

学术英语

- - 顺利完成埃德蒙顿康考迪亚大学的学术英语（EAP, English for Academic Purpose）课程一级EAP Tier 1和二级EAP Tier 2或二级EAP Tier 2，每个级别的最低分数为C或更高，满足埃德蒙顿康考迪亚大学招收研究生学位课程对学生英语语言水平的要求。成功通过EAP课程被视为该学位项目申请的一部分，除此之外，申请者仍需提供申报硕士学位课程所需的其他相关文件（如适用）。

如果学生未达到上述英语能力要求（例如EAP分数或相当于托福或雅思成绩），首师大学生可以选择参加康大提供的相关学位英语预备课程。学位英语预备课程是：

208小时的学术英语课程（EAP）

【需要参加学术英语课程（EAP）的学生将收到信息系统安全管理硕士研究生项目的有条件录取通知书。】

学费

- Program length
20 months cost in total
35,715.70 CAD
=17.8万 RMB
- Open Work permit
3 years
- Annual salary:
55,000-60,000 CAD
=27.5万-30万RMB



INTERNATIONAL STUDENTS

Master of Information Systems Security Management and Master of Information Systems Assurance Management (MISSM/MISAM)

Tuition Estimate Based on 2018/2019 Fees

20-Month Program

- 5 Semesters: 12 Credits, 15 Credits, 12 Credits, 12 Credits, 9 Credits (Research Project)
- 60 credits total
 - 15 Credits: \$8647.00
 - Education Fee: \$5437.50
 - Mandatory Fees: \$465.30
 - International Fee: \$2745.00
 - 12 Credits: \$7552.80
 - Education Fee: \$4350.00
 - Mandatory Fees: \$457.80
 - International Fee: \$2745.00
 - Research Project, 9 Credits: \$3262.50
 - Education Fee: \$3262.50
- Lab fee for ISSM542: \$102.00
- Convocation Fee: \$120.00
- Repatriation Fee: \$50.00 Max. Per Academic Year
- CSA Benefit Plan: \$300.00 Max. Per Academic Year (Full-Time students only)
- PGS600 - \$225.00 (Mandatory Course for All Grad Studies Students)

International Program Totals with CSA Benefit Plan, Max. Repatriation Fees:

- 20 Month Program: \$35,715.70*

Text Book Estimates:

- MISAM/MISSM
 - Per Term: \$360.00
- Total Estimated Text Books Fees: \$1440.00

* All amounts in Canadian dollars

* Fees are subject to change

TUITION ESTIMATE DOES NOT INCLUDE TEXTBOOKS

Created 04/23/18

其他费用

- 首师大学生将自行负责自己的护照、签证申请和国际旅行安排，并承担其他相关费用，如住房、食宿、医疗、当地交通、购买学习材料和个人用品以及其他与康大学习相关的附带费用。
- 康大将为前往康大学习的学生提供帮助，以协助首师大学生办理赴加学习手续。
- 食宿费用参考：

Option A: \$1,725.00/semester (approximately 10 meals per week) (minimum non-refundable amount)

Thinking of Working?

On Campus

- Valid study permit
- Full-time student
- Six months of study

Off Campus

- Same criteria
- Max. 20 hours/wk



Work Permits after Graduation

- 8 month + programs up to 2 years = length of program
- 2 year + program = 3 years



Financial Aid

丰富多样的奖学金与助学金

As a smaller university, Concordia University of Edmonton has a history of providing high quality education and a tradition of personal care for students. Planning ahead is the best way to put in place the financial resources to attend Concordia. While students attending university on a study permit are not eligible for Canadian federal, provincial, and territorial financial assistance, Concordia does offer some scholarships and bursaries for qualified international students after arriving.



- -University Entrance Scholarship Program
- -Concordia Bursary Program
- -Concordia General Awards Program

Graduate International Students

- Graduate International students are eligible to apply for financial assistance through the [ConcordiaBursaryProgram](#). Additionally, there are program specific scholarships that you may be eligible to receive. Please review the [scholarships and awards](#) information for graduate students.



- Financialaid.Concordia.ab.ca

4月 项目申请

- 1 康大同意每学年在信息系统安全管理硕士项目中最多招收首师大**35**名学生。
- 2 本项目中招收的学生是在首师大正式注册的本科生。只有满足康大的入学要求，学生才能在康大注册为硕士学位研究生。
- 3 首师大学生将向康大提交首师大版成绩单以及经过认证的英语翻译件。项目申请、英语水平证明以及成绩单提交的截止日期为**4月1日**。

2019年球季入学 申请截止日期

- Application Extensions for Fall 2019 Admission,
For International Applicants
- Master of Information Systems Assurance
Management
Master of Information Systems Security
Management
Graduate Diploma in Information Assurance
Graduate Diploma in Information Security
- **Application Deadline: May 1st, 2019**
- **Interim Document Deadline: June 3rd, 2019**
- **Final Document Deadline: June 3rd, 2019**

8月 补交成绩单、学位证书和毕业证书

- 首师大学生需要在**8月20日**之前通过邮递方式直接向康大提供中国教育部官方版成绩单、学位证书和毕业证书。
- 有关如何向中国教育部索取上述资料的说明，请访问以下网站：
- CHESICC链接（官方成绩单）：
<http://my.chsi.com.cn/archive/index.jsp>
- CDGDC链接（学位证书）：
<http://www.chinadegrees.cn/cqva/nsc.html>
- CHESICC链接（如何申请指南）：
http://www.chsi.com.cn/en/help/howtoapply_n.jsp
- 客户服务信息：CHESICC--info@chsi.com.cn, + 86 (10) 82199625
CDGDC--hanf@cdgdc.edu.cn, + 86 (10) 82370827

On Campus Residences



Eberhardt Hall (Women's)



Founder's Hall (Men's)

Residences operate from late August until April. Rooms are furnished and have internet accessed. While each room accommodates two students, you may apply for a single room if space is available.

Residence students also have access to shared common rooms for study and leisure.

Applications for on-campus residences should be submitted by May 31.

Approximate Costs:

Room - \$1,935/semester

Food - \$1667.50/semester

Athletics...



Badminton
Men's Basketball
Women's Basketball
Cross Country
Curling
Golf
Men's Hockey
Men's Soccer
Women's Soccer
Men's Volleyball
Women's Volleyball

Student Life – It's all about balance



Get involved:

- Student Government (CSA)
- Concordia Choir
- Theatre
- Clubs
- “The Bolt” student newspaper
- Table tennis (@Founders)
- Badminton
- Basket balls, soft balls
- Board games (@Elberhart)
- Piano practice rooms
- ...and more!

Connect with us online!



@CUEdmonton



@CUEdmonton



/CUEdmonton

#CUEdmonton

Xinxin.fang@Concordia.ab.ca

1-780-378-8437



concordia.ab.ca

CUE INTERNATIONAL ALUMNI



Thank you