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## MEMORANDUM

ATTENTION: Senate

TEL

FROM: Jon Driver, Vice-President, Academic and Provost *pro tem*, and Chair, SCUP

RE: Full Program Proposal for the MA in Terrorism, Risk, and Security Studies (SCUP 19-34)

DATE: November 13, 2019

TIME

At its November 6, 2019 meeting, SCUP reviewed and approved the full program proposal for the Master of Arts in Terrorism, Risk, and Security Studies in the Department of Psychology within the Faculty of Arts and Social Sciences, effective Spring 2021.

**Motion:**

That Senate approve and recommend to the Board of Governors the full program proposal for the Master of Arts in Terrorism, Risk, and Security Studies in the Department of Psychology within the Faculty of Arts and Social Sciences, effective Spring 2021.

c: S. Hart  
S. Zwagerman



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MEMORANDUM

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ATTENTION Senate Committee on University  
Priorities (SCUP)  
FROM Jeff Derksen,  
Chair of Senate Graduate Studies  
Committee (SGSC)  
RE: Full program proposal for an MA in Terrorism, Risk, and Security Studies

DATE October 25, 2019

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**For approval:**

At its meeting of October 8, 2019, SGSC approved the full program proposal for an MA in Terrorism, Risk, and Security Studies and is recommending it to SCUP for approval, effective **Fall 2020**.

**Motion:**

That SCUP approve and recommend to Senate the full program proposal for an MA in Terrorism, Risk, and Security Studies within the Faculty of Arts and Social Sciences.



FACULTY OF ARTS AND SOCIAL SCIENCES

To: Jeff Derksen, Dean of Graduate and Postdoctoral Studies  
From: Sean Zwagerman, Associate Dean, Faculty of Arts and Social Sciences  
Re: Full Program Proposal for MA in Terrorism, Risk, and Security Studies  
Date: 20 September, 2019

Office of the Dean

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Dear Jeff,

The Full Program Proposal for the Terrorism, Risk, and Security Studies MA was approved at the FASS Graduate Studies Committee meeting on May 2, 2019, and is here forwarded to the Senate Graduate Studies Committee for consideration. This curriculum item should be effective for Fall 2020 in order to admit a new cohort in Spring 2021. Please include this item on the agenda for the next SGSC meeting.

Regards,

A handwritten signature in black ink, appearing to be "Sean Zwagerman", written over a horizontal line.

Sean Zwagerman  
Associate Dean, Graduate and Postdoctoral Studies



FACULTY OF ARTS AND SOCIAL SCIENCES

To: Jeff Derksen, Dean of Graduate and Postdoctoral Studies  
From: Sean Zwagerman, Associate Dean, Faculty of Arts and Social Sciences  
Re: Full Program Proposal for MA in Terrorism, Risk, and Security Studies

Date: 20 September, 2019

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Dear Dr. Derksen,

On behalf of the Faculty of Arts and Social Sciences Deans Office, I am writing to express support for the proposal to make the Terrorism, Risk, and Security Studies CSAR MA a permanent program. Now housed in the Department of Psychology and under the directorship of Dr. Stephen Hart, the TRSS program has the departmental support and the strong leadership it needs going forward. The FASS Deans Office has supported TRSS from the beginning, working with the School of Criminology to draft the original CSAR proposal, negotiating the program's move from Criminology to Psychology, and—going forward—committing to meet the staffing and instructional needs required for a continuing program. As expressed in the FASS five-year plan, we look to supplement the traditional replacement model of faculty renewal in FASS with cross-disciplinary appointments which accommodate emerging specializations and which encourage interdisciplinarity in teaching and research. As we continue to develop graduate programs which take advantage of FASS's cross-disciplinary synergies, we view TRSS as one of the key programs in our faculty's developing strength in security, terrorism, and international politics, and in our suite of related graduate degree opportunities: the MA in Terrorism, Risk, and Security Studies, the NATO Field School, the double MA in international security and policy which is currently under development with the University of Bath, and research-based masters degrees in Criminology, Psychology, Political Science, and International Studies.

TRSS is a unique program serving a unique student population: security and risk professionals in the public and private sectors. But the ubiquity of such careers (as detailed in the full program proposal) underscores not only the practical relevance of this program but its benefit to society at large. Through the course content and the expertise of instructors, the TRSS program introduces students to the complexities and nuances of domestic and international security policy, making students not only better at their careers but more knowledgeable about the larger political, legal, and cultural context within which their careers exist. The program is thus a benefit both to the people in security fields and to the citizens they are committed to serving.

Regards,

A handwritten signature in black ink, appearing to be "Sean Zwagerman", written over a horizontal line.

Sean Zwagerman  
Associate Dean, Graduate and Postdoctoral Studies



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September 20, 2019

Dr. Sean Zwagerman  
Associate Dean, Graduate and Postdoctoral Studies,  
Faculty of Arts and Social Sciences  
Associate Professor, Department of English  
Simon Fraser University

**Re: Master of Arts in Terrorism, Risk, and Security Studies (TRSS)**

Dear Dr. Zwagerman,

As you know, the Department of Psychology voted to support a Full Program Proposal for TRSS at its meeting on 14 February 2019 and forwarded the proposal to the Faculty of Arts and Social Sciences Graduate Studies Committee (FASS-GSC) for consideration. The FASS-GSC then voted at its meeting on 2 May 2019 to support the proposal and forward it to the Senate Graduate Studies Committee for consideration.

Since the FASS-GSC meeting, I have reformatted the proposal per the provincial government's new template and made a number of minor updates to its content following consultation with you, the Office of Graduate and Postdoctoral Studies, the Dean of Graduate Studies, and the Vice President-Academic.

Accordingly, please find attached a reformatted and revised Full Program Proposal for TRSS for your consideration. I ask that, as you see fit, you forward it to the SGSC for consideration.

Sincerely,

A handwritten signature in black ink that reads 'Stephen D. Hart'.

Stephen D. Hart, Ph.D.

Professor, Department of Psychology  
Associate Member, School of Criminology  
Director, Terrorism, Risk and Security Studies Program



SIMON FRASER UNIVERSITY  
ENGAGING THE WORLD

**Master of Arts in  
Terrorism, Risk, and Security Studies (TRSS)**

Full Program Proposal

October 24, 2019  
Department of Psychology

## **SUMMARY**

### **1) Proposed credential to be awarded**

Master of Arts in Terrorism, Risk, and Security Studies

### **2) Location of program**

The administrative home of TRSS will be located at SFU Burnaby.

The TRSS courses will be offered in a blended format. Most courses will be offered online. The remaining courses will be offered in-person during two 5-day residencies held at SFU Vancouver at the start of the second term of studies in the first two years of the program (i.e., Year 1/Term 2 and Year 2/Term 5).

### **3) Academic unit(s) offering proposed program**

TRSS is offered by the Faculty of Arts and Social Sciences (FASS) through a collaboration of the Department of Psychology, the School of Criminology, FASS, and the Department of Political Science. It is currently housed in the Department of Psychology.

### **4) Anticipated program start date**

Spring 2021

### **5) Anticipated completion time**

Students will complete TRSS in 7 consecutive terms (28 months), comprising 6 consecutive terms (24 months) of coursework followed by 1 term (4 months) of a capstone master's project.

### **6) Contact information**

Professor Stephen D. Hart, PhD  
Director, Terrorism, Risk and Security Studies Program  
Professor, Department of Psychology  
Associate Member, School of Criminology  
Simon Fraser University  
hart@sfu.ca

## **PROGRAM DETAILS**

### **7) Aims, goals and/or objectives of the proposed program**

The ultimate aim of TRSS will be to provide a secure, interdisciplinary learning environment in which professionals already employed in the fields of national security and public safety can acquire, update, and enhance their work-relevant knowledge and skill. Completion of TRSS will allow students to use that knowledge and skill, as well as the professional networks they develop during the program, to help the agencies for which they work to better identify, analyze, and respond to threats to national security and public safety.

With respect to specific educational goals, upon completion of TRSS students will be able to:

- i. Identify key tenets, principles, and processes of security risk management and discuss their role in planning, preparedness, program evaluation, process improvement, and budget priority development.
- ii. Outline structured approaches to decision analysis and use them to develop and assess security risk management policies.
- iii. Use major theoretical frameworks to identify, analyze, and respond to security threats related to violent extremism, terrorism, and counterterrorism.
- iv. Use information science and technology to identify, analyze, and respond to security threats related to cybercrime and cyberwarfare.
- v. Use major psychological risk assessment methods to identify, analyze, and respond to security threats posed by people working individually or in groups.
- vi. Balance protection of public safety with the defence of civil liberties (constitutional and human rights) when managing security risks.
- vii. Use quantitative and qualitative methods to plan, conduct, appraise, and communicate research related to security risk management.

To achieve the educational goals outlined in subsection (a) above, TRSS students will complete four online seminar courses, four blended (online and in-person) courses, and one master's project totaling 30 units. Table 1 summarizes the proposed TRSS curriculum, by year and term. They will take the courses as a cohort and in lockstep.

The proposed curriculum incorporates changes based on experience with the TRSS Pilot Program. Those changes are intended to rationalize, clarify, and realize efficiencies in course offerings; enhance the educational experience of TRSS students; and increase the opportunities for in-person contact and networking among TRSS students.

**Table 1: Proposed TRSS Curriculum**

| Year | Semester | Course Number | Short Course Name                               | Units | Method of Delivery | Required or Elective | Educational Goals |
|------|----------|---------------|-------------------------------------------------|-------|--------------------|----------------------|-------------------|
| 1    | Spring   | TRSS 720      | Security Risk Management                        | 3     | Distance           | Required             | (i)               |
|      | Summer   | TRSS 710      | Current Issues in Terrorism                     | 3     | Blended            | Required             | (iii-v)           |
|      |          |               | <i>Plus one of the following two electives:</i> |       |                    |                      |                   |
|      |          | TRSS 742      | Cybersecurity                                   | 3     | Blended            | Elective             | (iv)              |
|      |          | TRSS 721      | Risk Assessment                                 | 3     | Blended            | Elective             | (v)               |
|      | Fall     | TRSS 740      | Research Methods                                | 3     | Distance           | Required             | (vii)             |
| 2    | Spring   | TRSS 730      | Security and Civil Liberties                    | 3     | Distance           | Required             | (vi)              |
|      | Summer   | TRSS 710      | Current Issues in Terrorism                     | 3     | Blended            | Required             | (iii-v)           |
|      |          |               | <i>Plus one of the following two electives:</i> |       |                    |                      |                   |
|      |          | TRSS 742      | Cybersecurity                                   | 3     | Blended            | Elective             | (iv)              |
|      |          | TRSS 721      | Risk Assessment                                 | 3     | Blended            | Elective             | (v)               |
|      | Fall     | TRSS 731      | Policy Making                                   | 3     | Distance           | Required             | (ii)              |
| 3    | Spring   | TRSS 798      | MA Project (Research Report)                    | 6     | Distance           | Required             | (i-vii)           |

As the last column in Table 1 makes clear, the TRSS courses will map directly onto the educational goals set out in subsection (a): each course meets at least one educational goal, and each educational goal is met by at least one course. TRSS will offer some flexibility to students, insofar as they choose whether the second blended course in each of the two residencies focuses on the human versus information technology aspects of security risk. Due to natural overlap in course content, however, all students will be exposed to both these topics as part of their courses related to terrorism.

#### 8) How does the proposed program fit within the mandate of the institution?

SFU's Mission Statement is "To be the leading engaged university, defined by its dynamic integration of innovative education, cutting edge research, and far-reaching community engagement."

With respect to engaging students, SFU's mission is "Equipping students with the knowledge, skills and experiences that prepare them for life in an ever-changing and challenging world." TRSS is designed to do this by providing opportunities for people working in the field of national security and public safety to enhance their knowledge and skills.

With respect to engaging research, SFU's mission is "Being a world leader in knowledge mobilization, building on a strong foundation of fundamental research." TRSS is designed to do this by leveraging the research of faculty members whose work is related to national security and public safety to provide an opportunity for specialized education targeted at professionals working in the field. By offering the program on a part-time basis and primarily online, it will attract

professionals who otherwise would be unable to obtain a graduate degree. TRSS will be the only program of this kind in Canada, and one of top such programs in the world.

With respect to engaging communities, SFU's mission is "Being Canada's most community-engaged research university." TRSS is designed to do this by working closely with agencies working in the field of national security and public safety to develop and operate the program and by contributing to their efforts to protect the citizens of Canada, their rights and freedoms, and their governments.

**9) How does the proposed program support the current academic and strategic plan of the institution?**

TRSS will be consistent with SFU's strategic vision as set out in the Five-Year Academic Plan of the Office of the Vice-President, Academic (2018-2023) and the Strategic Research Plan of the Office of the Vice-President, Research (2016-2020), as well as the academic plans of FASS.

- Per the VPA's *Five Year Academic Plan*, will TRSS strengthen connections and collaborations with public and private organizations, which will provide advice on program structure and course content, as well as encourage and support their employees to enroll in the program.
- Per the VPR's *Strategic Research Plan*, TRSS will address the challenge of strengthening civil society while advancing justice, equity, and social responsibility through inclusion of courses and course content related to balancing protection of national security and public safety with the protection of constitutional and human rights.
- Per the FASS academic plan, TRSS will provide an opportunity for professional development that effectively bridges the gap between research and practice, highlighting the operational relevance of interdisciplinary studies in higher education.

**10) Target Audience**

**a. Projected target audience**

TRSS will be targeted at national security or public safety professionals working in public- or private-sector agencies who have a strong desire to upgrade their job-related knowledge and skills. TRSS will provide these people with the opportunity to complete a program of graduate studies culminating in the award of a specialized master's degree with top-notch instruction at a respected and established Canadian university.

The modal target audience members will be mid-career professionals completed post-secondary education, typically achieving an undergraduate degree, prior to obtaining full-time employment with responsibilities that include law enforcement, national defence, border security, intelligence analysis, cybersecurity, and other issues related to the protection of citizens, governments, and critical infrastructure. They are highly experienced, having completed between 5 and 25 years of

service and extensive training. They are planning for the future and view a graduate degree from a recognized university as an important means of career advancement, either in their current positions or in new positions. Although they have the financial means or even the financial support of their employers to pursue graduate education, the specialized nature of their jobs makes it difficult or even impossible to get approval to take an extended leave of absence to pursue a full-time course of studies. Also, it may not be feasible for them to move their families to a new city or even a new province. TRSS will be a perfect fit for the needs of this modal target audience.

Domestically, the potential target audience for TRSS is very large. According to recent statistics, in Canada there are currently about 10,000 people working in intelligence services, such as the Communications Security Establishment (CSE); about 100,000 regular and reserve members of the Canadian Armed Forces (CAF); almost 70,000 sworn officers supported by 30,000 civilians working in police services, such as the Royal Canadian Mounted Police (RCMP) and various provincial, municipal, aboriginal, and private agencies; more than 30,000 people working in other federal and provincial government agencies with duties related to law enforcement, such as the Canadian Border Services Agency (CBSA); and many thousands more working in other government agencies responsible for public safety and security, such as the Department of National Defence (DND) and various federal and provincial agencies responsible for public safety and emergency management.<sup>1</sup> The number of people working in private sector agencies (e.g., as threat assessment, security, and cybersecurity professionals) is more difficult to estimate, but likely is just as large and possibly even larger. In total, the full-time equivalent employees in Canada working in positions related to national security and public safety is probably at least 500,000. Internationally, the potential target audience is much larger, even if one limits the focus to English-speaking countries with traditionally strong security and defence ties to Canada (i.e., the other members of the “Five Eyes” intelligence alliance – Australia, New Zealand, the United Kingdom, the United States).

#### **b. Profile of admissions to TRSS Pilot Program**

Our analysis of the size of the target audience is supported by our experiences to date with the TRSS Pilot Program, which admitted its first cohort of students in Fall 2016 and has just made recommendations for admission of its fourth cohort in Spring 2020. Despite the fact that the Pilot Program was time-limited in nature and engaged in minimal marketing (e.g., via the SFU website and distribution of brochures, at a cost of less than \$10,000 annually), to date it has received more than six hundred email inquiries from potential applicants. Canadians comprise the majority of the people making these inquiries, of course, but the program has also garnered international attention. About 1 in 4 inquiries received are from other countries – more specifically, from over two dozen nations in North America, Europe, Africa, and Asia.

The number of actual applicants to TRSS is, of course, much smaller, although surprisingly large in light of the narrow window for submitting applications (only about 8 weeks per year). Table 2

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<sup>1</sup> Conon, O. (2017). *Police resources in Canada, 2017*. Ottawa: Statistics Canada. Available at: <https://www150.statcan.gc.ca/n1/pub/85-002-x/2018001/article/54912-eng.htm>

summarizes the number of applications submitted to date, as well as the number of students admitted to and retained by TRSS to date. Applicants for the first cohort comprised primarily students who received personal invitations to apply from TRSS program faculty or members of the program Advisory Group. Applicants for the second cohort comprised primarily students who received word-of-mouth referrals from those admitted to the first cohort. Applicants to the third and fourth cohorts were split equally between those who received word-of-mouth referrals from students admitted in first two cohorts and those who learned of TRSS through marketing efforts (website, brochures, etc.). As Table 2 indicates, the number of applicants and number of those admitted has increased every year, and we anticipate those numbers will continue to grow steadily and organically once TRSS is established as a permanent program and able to commit to more aggressive marketing.

**Table 2: Number of Applicants and Students Admitted to and Retained by TRSS Pilot Program**

| Cohort | Year | Term Admitted | Number of Applicants | Number Admitted | Number Retained |
|--------|------|---------------|----------------------|-----------------|-----------------|
| 1      | 2016 | Fall          | 14                   | 13              | 11              |
| 2      | 2017 | Fall          | 19                   | 14              | 11              |
| 3      | 2019 | Spring        | 36                   | 16              | 16              |
| 4      | 2020 | Spring        | 37                   | 18              | 18              |

The four years of experience with the Pilot Program supports the view that TRSS has accurately profiled its target audience. Out of the total of 56 students currently enrolled in the program (in Cohorts 1 to 3) or recommended for admission to the program (in Cohort 4), 23 are sworn or civilian members of police agencies, 14 are employees of other government agencies, 10 are members of the CAF, 6 are employees of CBSA, and 3 are employed in the private sector. Of the 53 students who are public sector employees, 32 work for a total of 6 different federal agencies (e.g., RCMP, CBSA, CSE); 8 work for a total of 4 different provincial agencies (e.g., Ontario Provincial Police, provincial legislative protection agencies, provincial ministries with responsibility for justice and public safety); and 13 work for a total of 9 municipal police agencies (e.g., Calgary Police Service, Victoria Police Department). Most importantly, of the total of 56 students, 31 reside outside of British Columbia in 7 different provinces and territories; only 25 are residents of British Columbia, and of those only 16 live or work in the Lower Mainland. It is unlikely that any of the students from out of province would have been able to move to British Columbia to attend full-time studies at SFU, and it is even unlikely that any of the 16 students living in the Lower Mainland of British

Columbia would be able to attend in-person lectures at SFU due to factors such as shift work and long commute times. Clearly, TRSS is meeting a need of its target audience.

### **11) Related programs in the institution or other British Columbia post-secondary institutions and outside of British Columbia**

Our review of graduate programs offered by post-secondary institutions in Canada related to national security and public safety<sup>2</sup> identified three that will have minor overlap with TRSS: none at SFU, two in British Columbia, and one in Ontario.

Outside of Canada, our review identified four major Master's programs that overlap substantively with TRSS. Few provide the breadth and depth of training that TRSS will have in terrorism, risk/threat assessment, cybersecurity, and other areas of security studies; and most are offered entirely in-person or entirely online, rather than a blend of the two.

Following is a summary of these programs:

#### **a. Related programs within the institution**

**Simon Fraser University** has no related programs.

#### **b. Related programs at other British Columbia post-secondary institutions**

**Royal Roads University** has a Master of Arts degree program in Disaster and Emergency Management. This 2-year program is offered part-time and as a blend of online and in-person courses. It does not focus on issues related to national security and public safety and does not offer courses in terrorism, cybersecurity, or risk/threat assessment, and so does not overlap substantively with TRSS. (A letter of support from Royal Roads University confirming minimal overlap of the programs is enclosed in Appendix 3.) The current course fees for the program are CAD \$24,790 for students from Canada and CAD \$31,240 for others. See: <http://www.royalroads.ca/~prospective-students/~master-arts-disaster-and-emergency-management>

**University of the Fraser Valley** has a Master of Arts degree program in Criminal Justice. This (minimum) 20-month program is offered part-time and in-person, does not overlap substantively with TRSS. The curriculum does not offer courses in cybersecurity or risk/threat assessment and so does not overlap substantively with TRSS. (A letter of support from University of the Fraser Valley confirming minimal overlap of the programs is enclosed in Appendix 3.) The program requires completion of a major paper or a publicly-defended thesis. The current course fees for the program are CAD \$18,831.68 for students from Canada and CAD \$25,000 for others. See: <https://www.ufv.ca/criminology/programs/master-of-arts-degree-in-criminal-justice/>

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<sup>2</sup> These programs have in common CIP codes 43 (Security and protective services) → 43.01 - Criminal justice and corrections → 43.0107 - Criminal justice/police science, 43.0116 - Cyber/computer forensics and counterterrorism, 43.0118 - Law enforcement intelligence analysis, and 43.0199 - Criminal justice and corrections, other.

**c. Related programs at other post-secondary institutions in Canada outside of British Columbia**

**Wilfrid Laurier University** in Canada has a Master of Public Safety degree program. This program, which takes 2 years and 8 months to complete, is offered part-time and entirely online. The curriculum has a general grounding in public administration related to public safety, offering concentrations in Border Strategies, Countering Crime, Emergency Management, and National Security. The current course fees are CAD \$27,000 for students from Canada; fees for international students are not published. See: <https://www.wlu.ca/programs/human-and-social-sciences/-graduate/public-safety-mps>

**d. Related programs at other post-secondary institutions outside Canada**

**Charles Sturt University** in Australia has a Master of Terrorism and Security Studies program. This program is offered on a full-time (1.5 years) or part-time (3.0 years) basis; and students have a choice between completing program on campus or online. The curriculum is similar to that of TRSS in scope but does not have the breadth or depth of course offerings in TRSS, does not include courses in research methods or supervised research (e.g., a major paper, project, or thesis), and does not provide opportunity for in-person networking. The current course fees for the program are AUD \$25,200 (about CAD \$22,900) for students from Australia or New Zealand and range up to AUD \$31,200 (about CAD \$28,300) for students from other countries. See: [www.csu.edu.au/courses/master-of-terrorism-and-security-studies](http://www.csu.edu.au/courses/master-of-terrorism-and-security-studies)

The **Henly-Putnam School of Strategic Study** at the National American University in California has Master of Science programs in Terrorism and Counterterrorism Studies, Strategic Security and Protection Management, and Intelligence Management. Each of these 1.5-year programs, offered online, is similar to but narrower than TRSS in scope, do not include courses in research methods or supervised research (e.g., a major paper, project, or thesis), and do not provide opportunity for in-person networking. The current course fees for the programs are USD \$16,380 (about CAD \$21,400) for students who served in the US military and USD \$23,688 (about CAD \$31,400) for others. See: [www.henley-putnam.edu/programs/master-science-terrorism-counterterrorism-studies/](http://www.henley-putnam.edu/programs/master-science-terrorism-counterterrorism-studies/)

**St. Andrew's University** in Scotland has a MLitt degree program in Terrorism and Political Violence. This program is offered on a full-time (1 year) residential or part-time (3- to 5-year) online basis. The curriculum has a more narrow focus on terrorism compared to TRSS, but it provides excellent depth in that area. The current course fees for the program are GBP £11,420 (about CAD \$18,900) for students from the United Kingdom and European Union, and GBP £23,090 (about CAD \$38,200) for other students. See: [www.st-andrews.ac.uk/subjects/international-relations/terrorism-mlitt](http://www.st-andrews.ac.uk/subjects/international-relations/terrorism-mlitt)

**A consortium of three European universities** – the University of Glasgow (UK), Dublin City University (Ireland), and Charles University (Czech Republic) – offers an Erasmus Mundus Joint Master Degree program, named the International Master in Security, Intelligence, and Strategic

Studies. This 2-year program is offered on a full-time residential basis that includes study terms at the three partner universities. Its curriculum is similar to TRSS in scope. The current fee schedule is EUR €15,600 (about CAD \$22,900) for students from the European Union and EUR €31,300 (about CAD \$45,900) for other students. See: [securityintelligence-erasmusmundus.eu](http://securityintelligence-erasmusmundus.eu)

**12) What differentiates the proposed program from all other related programs in the province?**

As noted above, neither the Master of Arts in Disaster and Emergency Management program at Royal Roads University nor the Master of Arts in Criminal Justice program at the University of the Fraser Valley will overlap substantively with TRSS. Specifically, they do not focus on issues related to national security and public safety and do not offer courses in cybersecurity or risk/threat assessment.

With respect to competitors outside of the province, in Canada and internationally, TRSS will have important strengths, some of them unique, that will differentiate it from other programs:

- **TRSS is multi-disciplinary.** The curriculum will reflect, and the instructors will represent, the fields of computing science, criminology, history, international studies, political science, and psychology.
- **TRSS is designed for professionals working in the field.** It will be practice-focused, aiming to improve work-relevant knowledge and skills. It will have a curriculum that is flexible, permitting rapid change in course content to reflect important developments in the field and providing students with the flexibility to choose elective courses on either human factors or cybersecurity. It will provide a steppingstone for advancement in their current or future positions and agencies.
- **TRSS will be offered primarily by distance.** Professionals will not need to take extended leaves of absence from their work, something that may not be feasible, may be prohibitively expensive, or may leave their agencies under-staffed.
- **TRSS will provide opportunities for networking.** It will provide opportunities for networking within and among cohorts during two 5-day residencies. This is particularly important for professionals working for agencies that are “siloeed” or operate in relative isolation.

**13) An overview of the level of support and recognition from other post-secondary institutions, and relevant regulatory or professional bodies**

Development of the Full Program Proposal for TRSS was assisted greatly by initial development and offering of the Pilot Program.

During the initial development of the Pilot Program, feedback was sought from focus groups comprising people from relevant potential employers and subject matter experts currently working in the private sector. The participants in these focus groups were very clear about what they were looking for in new hires and for continuing education of current employees, and the program was developed and refined with continuous feedback from them to meet the needs they identified.

During its four years of operation, the TRSS Pilot Program has maintained close relations with many of the potential employers and subject matter experts it initially consulted. For example, some of them served as members of the Pilot Program's Steering or Advisory Committees. But more important, they clearly demonstrated their approval of the program by supporting their employees to apply for admission to TRSS. Indeed, the majority of the 56 people admitted to the TRSS Pilot Program are currently employed by one of the potential employers that provided initial consultation and advice. For example, employees of the Canadian Armed Forces, Canadian Border Services Agency, Royal Canadian Mounted Police, and Vancouver Police Department – each of whom provided extensive initial consultation and advice – between them account for 22 of the 56 people admitted or recommended for admission to the TRSS Pilot Program.

TRSS is strongly supported both within SFU and by students enrolled in the TRSS Pilot Program. Copies of letters of support are presented in Appendix 3.

TRSS will not compete with programs offered by other post-secondary institutions in British Columbia. As noted previously, letters of support from the two most similar programs in British Columbia – the Master of Arts in Disaster and Emergency Management at Royal Roads University and the Master of Arts in Criminal Justice at the University of the Fraser Valley – are enclosed in Appendix 3, and both confirm the minimal overlap. We note that TRSS enjoys good relations with the University of the Fraser Valley; indeed, a faculty member in the Department of Criminology at the University of the Fraser Valley was actively involved in the development of the TRSS Pilot Program, has been a guest lecturer in TRSS courses, and has served on the major paper supervisory committee for TRSS students.

TRSS will be multi-disciplinary in nature. As its target audience is not associated with specific regulatory or professional bodies, we have not consulted with and have not received comment from any.

**14) What added value will the proposed program offer graduates in terms of employment opportunities?**

The primary value of obtaining a TRSS Master's degree with respect to employment opportunities will be for advancement in their current positions or in new positions. There is a strong need to replace senior employees in the public service, including but not limited to the fields of national security and public safety. Many senior employees have been lost due to retirement but not replaced, and many more are anticipated to retire in the coming years. Enhancing the knowledge and skills of existing employees is recognized as one of the best ways to mitigate this vulnerability. For example, in the federal public service, new policies highlight the need for university-based

education as part of staff development, one of the “four pillars” of public service renewal.<sup>3</sup> Some agencies, such as the Canadian Armed Forces, provide generous allowance for education, including completion of post-secondary degrees.<sup>4</sup> The 2018 Federal Budget allocated nearly one billion dollars to “security and access to justice” with a particular focus on improving cybersecurity and addressing challenges with borders and migration. Funds to support and improve the ability of intelligence and law enforcement officers to perform their duties and mandates are also allocated in the federal budget. Internationally, of course, the potential target audience is much larger. Applicants with post-secondary education at the graduate level are generally regarded as better qualified than their counterparts with less education for senior positions in government, especially positions with management responsibilities; in addition, those with graduate-level education earn mean salaries that are about \$25,000 per year higher.<sup>6</sup>

A secondary value of TRSS will be that it prepares graduates for further study in specialized areas. Some students currently nearing the end of the TRSS Pilot Program are already exploring the possibility of pursuing doctoral studies in traditional research-oriented graduate programs at SFU or other universities in Canada that builds on their educational experience.

**15) Do potential employers require a degree for graduates to gain employment in the field?**

Applicants for employment in the field in many different positions are at a distinct disadvantage if they lack at least some post-secondary education. Post-secondary education at the graduate level greatly increases the chance of advancement, especially into positions with some management responsibilities (see response to Question 14 above).

**16) Potential areas/sectors of employment for graduates and/or opportunities for further study in the field**

It is expected that TRSS graduates will continue to work in the field of national security and public safety, working either in the public or private sectors.

With respect to opportunities for employment, completion of TRSS will provide them with greater opportunities for advancement in their current positions or in new positions. Experience with students admitted to the TRSS Pilot Program suggests that this is the norm among them. Most have

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<sup>3</sup> See the Public Service Commission of Canada’s Annual Reports for 2016/2017 and 2017/2018: [www.canada.ca/en/public-service-commission/services/publications/annual-report-2016-2017.html#3-2](http://www.canada.ca/en/public-service-commission/services/publications/annual-report-2016-2017.html#3-2), [www.canada.ca/en/public-service-commission/services/publications/annual-report-2017-18.html](http://www.canada.ca/en/public-service-commission/services/publications/annual-report-2017-18.html)

<sup>4</sup> See: [www.canada.ca/en/department-national-defence/services/benefits-military/education-training/reimbursements-allowances.html](http://www.canada.ca/en/department-national-defence/services/benefits-military/education-training/reimbursements-allowances.html)

<sup>5</sup> Government of Canada Ministry of Finance. (2018). Equality + Growth: A Strong Middle Class. Chapter 4, Part 4. Retrieved from: [www.budget.gc.ca/2018/docs/plan/chap-04-en.html#Part-4-Security-and-Access-to-Justice](http://www.budget.gc.ca/2018/docs/plan/chap-04-en.html#Part-4-Security-and-Access-to-Justice)

<sup>6</sup> <https://www12.statcan.gc.ca/census-recensement/2016/dp-pd/dt-td/Rp-eng.cfm?TABID=2&LANG=E&APATH=3&DETAIL=0&DIM=0&FL=A&FREE=0&GC=0&GK=0&GRP=1&PID=111840&PRID=10&PTYPE=109445&S=0&SHOWALL=0&SUB=0&Temporal=2017&THEME=123&VID=0&VNAMEF=AMEE=&VNAMEF=>

held multiple positions in the field in multiple agencies over time, all requiring similar knowledge and skills. For example, most of those admitted or recommend for admission to the TRSS Pilot Program have held positions in at least two agencies, such as CAF followed by RCMP, CBSA followed by another federal government agency, or RCMP followed by work in the private sector.

With respect to opportunities for further study in the field, completion of TRSS will provide them with the ability to undertake additional specialized training in specific topics, such as counterterrorism, risk and threat assessment, or cybersecurity. It is also anticipated that some TRSS graduates will develop strong academic interests and apply to a regular research-oriented doctoral program. Students in the TRSS Pilot Program have explored both of these options.

**17) Does the proposal lead to a specific occupation?**

TRSS will provide training for diverse professionals who are already working in the fields of national security and public safety.

**18) What labour market needs would the proposed program meet for the province? (Please include no more than 5 applicable National Occupational Classification (NOC) codes.)**

TRSS graduates will help British Columbia and the rest of Canada meet the need for professionals working in the field of national security and public safety who are both experienced and well educated. This need is growing, for three reasons. First, many senior professionals in the field are nearing retirement age. Second, existing threats to national security and public safety are always evolving, as evident in the recent growth in Western developed economies of problems such as right wing extremist violence, vehicle-based attacks, and so forth. Third, there is an urgent need to staff new agencies established to deal with new threats, such as cyberattacks against government and private-sector information systems by hostile nations, extremist groups, and organized crime.

The four NOC codes most applicable to TRSS graduates are:

- 0431: (Commissioned police officers)
- 4311: Police officers (except commissioned)
- 4313: Non-commissioned ranks of the Canadian Forces
- 2171: Information systems analysts and consultants

Relevant data from Statistics Canada indicates that the demand for employees falling into all these occupational codes is expected to be stable or even increasing through 2026.<sup>7</sup> For NOC 0431, the number of projected job openings through 2026 is estimated to be 2,400; although almost all (88%) of those job openings will be the result of retirement, a small number (4%) will be the result of

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<sup>7</sup> See: [occupations.esdc.gc.ca/sppc-cops/w.2lc.4m.2@-eng.jsp](https://occupations.esdc.gc.ca/sppc-cops/w.2lc.4m.2@-eng.jsp)

expansion. For both NOC 4311 and 4313, job openings in the same period are estimated to be 23,000 and 10,600, respectively; although most (64%) will be the result of retirement, many (25%) will be the result of expansion. Finally, for NOC 2171, job openings are estimated at 100,000, the result of both retirement (46%) and expansion (45%).

#### **19) Plans for admissions and transfer within the British Columbia post-secondary education system**

Students who were or are currently within the British Columbia post-secondary education system will be able to apply for admission or request transfer to TRSS, as long as they meet the other requirements for admission (e.g., are employed in the field of national security and public safety). If requests for transfer are made, they will be dealt with on a case-by-case basis.

It is anticipated that for many students admitted to TRSS, the TRSS master's degree will be terminal; however, as noted previously (see response to Question 14 above), it is anticipated that some graduates will apply to a regular research-oriented doctoral program.

Due to the diverse backgrounds of the target audience for TRSS, there are no relevant regulatory or professional bodies to support program graduates as members.

#### **20) Enrolment Plan**

Although enrolment for each year of the TRSS Pilot Program exceeded projected numbers, it has been established that to provide the appropriate level of engagement required for a program of this nature, cohort numbers should not exceed about 30 students. The minimum enrolment required to financially support the program is about 20 students per cohort. All enrolment plans, resource allocation, and financial information are based on cohorts of 25 students; this will ensure the financial viability of TRSS even taking into consideration the potential for attrition, which we estimate will not exceed 10% per cohort. Thus, we expect to enrol a total of about 75 students in TRSS over the first three years and anticipate that at least 90% of those will complete the program successfully and be awarded degrees.

To achieve these enrolment targets, we have a recruitment plan that involves (i) continuing the marketing efforts currently in place (which include the program website, distribution of informational brochures in print form at professional meetings, and presentations about the program at conferences) and (ii) expanding them to include print and on-line advertisements targeted at federal, provincial, and municipal government employees. To date, the primary emphasis has been on the T of TRSS – that is, terrorism; moving forward, we will make a special effort to highlight the R (risk/threat assessment) and SS (security and cybersecurity studies) part of the curriculum, and anticipate that in the future students who are admitted will be more or less equally divided into three groups based on the focus of their professional interests.

Table 3 summarizes the enrolment plan described above for the first 5 years of TRSS. It indicates the number of new students admitted each year, the total number of students remaining in the

program at the end of each year assuming no attrition versus assuming 10% attrition in each cohort at the end of Years 1 and 2, and cumulative admissions to the program at the end of each year.

*Table 3: Enrolment Plan for TRSS, First 5 Years*

| Year | New Admissions | Total Students |               | Cumulative Admissions |
|------|----------------|----------------|---------------|-----------------------|
|      |                | 0% Attrition   | 10% Attrition |                       |
| 1    | 25             | 25             | 23            | 25                    |
| 2    | 25             | 50             | 46            | 50                    |
| 3    | 25             | 75             | 69            | 75                    |
| 4    | 25             | 75             | 69            | 100                   |
| 5    | 25             | 75             | 69            | 125                   |

## 21) Delivery methods

The program will be delivered using a cohort model, with students in each cohort taking courses in lockstep (fixed order).

The method of delivery for each course, by course number, was presented in Table 1. To summarize, in Year 1/Term 1, students complete an online seminar course on the fundamentals of security risk management. In Year 1/Term 2, students complete two courses, both blended in nature. The first course, focusing on terrorism, comprises 2.5 days of in-person lectures by leading international experts, preceded and followed by online lectures. The second course, focusing on either cybersecurity or risk/threat assessment (as elected by the student), comprises 2.5 days of in-person lectures by program faculty, preceded and followed by online lectures. In Year 1/Term 3, students complete an online seminar course on research methods related to security risk management.

In Year 2/Term 4, students complete an online seminar course on the defence of civil liberties and the rule of law in the face of threats to national security and public safety. In Year 2/Term 5, students again take two blended courses: another on terrorism and a second elective on either cybersecurity or risk/threat assessment. In Year 2/Term 6, students complete an online course on policy making in security risk management.

The content of the blended courses in Years 1 and 2 will change each time they are offered. This has several advantages. First, it allows TRSS to be very responsive to emerging issues and “hot

topics” in the field. Second, it will permit students to repeat the courses for credit. Third, starting in the program’s second year, it will realize operational efficiencies by permitting students from two cohorts to take the same courses, with up to 50 students attending the terrorism course and about 25 attending the electives on cybersecurity or risk/threat assessment. Finally, it will expand the networking opportunities for students, allowing them to interact not only with students in their own cohort but also with those in two other cohorts (i.e., with the previous cohort in Year 1 and the subsequent cohort in Year 2).

Finally, in Year 3/Term 7, students complete the master’s project.

The online courses are delivered in the standard format: weekly 3-hr meetings comprising lectures by the course instructor, guest lectures, student presentations, review of assigned readings distributed via Canvas, and group discussion. The course delivery is coordinated from SFU Burnaby, at present by CODE. The weekly meetings are held via a secure online videoconference platform (Zoom) with video recordings stored in a secure online file storage service for review and supplemented by materials made available through SFU’s online learning platform (Canvas). Course evaluations comprise a combination of smaller occasional assignments (e.g., thought or reaction papers, student presentations), major written assignments (e.g., course or term papers), and written exams.

The blended courses have two components: online and in-person. The online component delivered in the standard format, with a total of six 3-hr meetings held preceding and following the in-person component. The in-person component involves “mini-conferences” or “mini-workshops,” each lasting about 2.5 days, delivered during the first residency in Year 1/Term 2 and the second residency in Year 2/Term 5. The residencies will be held at SFU Vancouver to maximize the options for student accommodation and minimize the need for student travel. Evaluations for the blended courses will comprise a combination of smaller written assignments (e.g., thought or reaction papers), major written assignments (e.g., course or term papers), and completion of practice exercises. As there will be up to 50 students registered in each offering of the blended course in terrorism, a full-time TA/TM will assist the instructor to support students and grade of assignments.

The master’s project is a 6-unit distance course. It is the program capstone and requires students to integrate and build on all they have learned to prepare a research report that involves application of systematic research methods (qualitative or quantitative) to an issue related to national security or public safety. The master’s project is delivered as independent study, guided or supervised by distance. Per Graduate General Regulations 1.6.4 and 1.7.2 (c), the master’s project will be a major paper to be examined by a supervisory committee comprising two readers, at least one of whom will be a faculty member at SFU and up to one of whom may be a person from outside SFU who is highly qualified in the field and familiar with the topic. Master’s projects based on research involving human subjects will be submitted for review and approval by the Office of Research Ethics. Given the sensitive nature of the master’s projects completed by TRSS students, the major papers will not be deposited in the library.

**22) Eligibility for scholarships, awards, and financial aid**

TRSS students may be eligible for external and donor funded internal scholarships, awards, and financial aid, so long as they meet the other eligibility criteria. Most of them will be employed full-time, however, and so will not be eligible for SFU funded scholarships and awards, but instead will receive support from their employers in the form of educational allowances, professional development allowances, or release time to complete TRSS while remaining in their current positions.

**23) Does the proposed program offer an alternative exit, if appropriate?**

We are developing a TRSS graduate diploma program to complement the TRSS master's program. The graduate diploma program will have a number of benefits, one of which is that students admitted to the master's program who decide for various reasons to discontinue their studies after completing only part of the requirements may be eligible to receive a diploma instead.

**24) Resources required and/or available to implement the program**

Experience developing and operating the TRSS Pilot Program assisted greatly in anticipating the resources required to implement TRSS.

No resources are required for program development. The TRSS Pilot Program received considerable financial support from SFU, including \$120,000 from the Office of Graduate and Postgraduate Studies and \$30,000 from the FASS Dean's Office.

Successful implementation and operation of the TRSS Pilot Program means that the resources, infrastructure, and experience required to implement the TRSS Full Program have been identified and are already in place. In addition, implementation of TRSS will have no new adverse impact on other programs or resources at SFU, including teaching load; indeed, implementation of TRSS may result in positive impacts on other programs or resources at SFU, as outlined in the budget proposal (see Appendix 8).

**25) Program evaluation and academic/administrative oversight**

Academic and administrative oversight of TRSS will be provided by the FASS Dean's Office (Associate Dean, Graduate and Postdoctoral Studies) with assistance from the TRSS Program Steering Committee, with the latter in turn assisted by the Program Advisory Committee. More specifically, the Steering Committee will provide strategic and operational oversight and support for TRSS. With respect to strategy, working with the Program Director, the Steering Committee's responsibilities will include development and approval of strategy, evaluation of progress toward strategic objectives, and supporting engagement with community stakeholders. With respect to operations, working with the Program Director, the Steering Committee's responsibilities will include implementation and evaluation of strategy, coherence with university policies and

procedures, maintenance of academic standards, and budgeting and finances. (For additional detail concerning the Program Steering and Advisory Committees, see Appendix 5.)

At SFU, regular reviews of academic programs are mandated by Senate. A full program review, conducted with assistance from external reviewers, with the initial planning to start in the fourth year of TRSS operation and the final report to be completed by the end of the fifth year of operation.

## **26) Faculty member's teaching/supervision**

Teaching and supervision will be provided by continuing faculty at SFU from various academic units, by new faculty (continuing, visiting, limited term) hired specifically to teach in TRSS, and by sessional instructors hired to teach specific TRSS courses.

The primary continuing faculty at SFU who will provide teaching and supervision in TRSS include:

- **Dr. Stephen D. Hart.** Dr. Hart's primary appointment is Professor in Department of Psychology. His work focuses on risk and threat assessment, including risk for terrorism and group-based violence. He was Founding Editor of the *Journal of Threat Assessment and Management*. He was involved in development of the TRSS Pilot Program, has served as Director of the Pilot Program since 2018, has taught TRSS 721 and 740, and has provided supervision to students TRSS 798. He has agreed to be deployed 100% to TRSS to serve as the Program Director and to provide teaching and supervision. (See Appendix 6 for Dr. Hart's abbreviated *curriculum vitae*.)
- **Dr. Richard Frank.** Dr. Frank's primary appointment is Assistant Professor, School of Criminology. His main research interest is cybersecurity and cybercrime, including online terrorism and warfare. He serves as Director of the International CyberCrime Research Centre (ICCRC) at SFU and is also Associate Editor-in-Chief of the journal, *Security Informatics*. He was involved in development of the TRSS Pilot Program, has taught TRSS 742, and has supervised students in TRSS 798. He has agreed to continue teaching TRSS 742 and supervising students in TRSS 798 and will be deployed about 15% to TRSS. (See Appendix 6 for Dr. Frank's abbreviated *curriculum vitae*.)
- **Dr. Raymond Corrado.** Dr. Corrado's primary appointment is Professor, School of Criminology. His main research interests include terrorism and serious and violent delinquency. He serves as Director of the Institute on Violence, Terrorism and Security at SFU. He was involved in development of the TRSS Pilot Program and has taught TRSS 710. He has agreed to serve on the TRSS Program Steering Committee and to teach or supervise students upon request. He will be deployed about 5% to TRSS. (See Appendix 6 for Dr. Corrado's abbreviated *curriculum vitae*.)

Dr. Hart's 100% deployment to TRSS will greatly reduce his contributions to the Department of Psychology. For this reason, the TRSS budget includes hiring of a new continuing faculty position at the rank of Associate Professor in the Department of Psychology. Dr. Frank's 15% deployment

to TRSS will reduce his teaching contributions to the School of Criminology by about one course per year. For this reason, the TRSS budget includes a stipend for Criminology to cover a 1-course teaching release for Dr. Frank. Taking these mitigation strategies into account, it is not anticipated there will be any adverse impact to existing academic programs at SFU.

The new faculty (continuing, visiting, or limited term) hired specifically to each in TRSS will be responsible for teaching at least two TRSS courses per year and providing research supervision for TRSS 798 and providing administrative support to the program. In addition, it may be possible for the new faculty to teach an undergraduate course in one of the academic units supporting TRSS (Criminology, Political Science, and Psychology) as part of the regular teaching load. The new faculty will have extensive work-related experience in the field of national security and public safety, as well as a doctoral degree in a related field. An example of the ideal candidate is the person currently serving in that role with the Pilot Program:

- **Dr. Roger Warren.** Dr. Warren's primary appointment is Visiting Professor, TRSS. His main research interests include terrorism, radicalization, and foreign fighters. He currently is deployed 100% to the TRSS Pilot Program, where he has taught TRSS 710 and 720, supervised students in TRSS 798, and provided administrative support for the program. (See Appendix 6 for Dr. Warren's abbreviated *curriculum vitae*.)

The sessional instructors will be hired to teach courses in TRSS in light of their expertise in specific content areas.

**27) Is the program focus primarily on meeting social benefit(s) or economic benefit(s)?**

The program focus is primarily on meeting social benefits.

**28) How would the proposed program advance social goods or government priorities?**

The proposed program will primarily advance social goods and government priorities by helping to enhance the nation's ability to protect national security and public safety. In addition, it will contribute to the renewal of the public service by providing continuing education opportunities for people employed in the field of national security and public safety. (For further detail, see response to Question 14 above).

**29) What social, cultural, regional, community, environmental, institutional and/or intellectual benefit would the proposed program provide?**

The primary benefit of the proposed program is protection of Canada's national security and public safety interests. (For further detail, see responses to Question 14 and 28 above).

**30) How would the proposed program support economic growth and/or government economic priorities?**

TRSS is not intended to directly support economic growth or government economic priorities, except those related to protection of national security and public safety and renewal of the public service. (For further detail, see responses to Question 14 and 28 above).

**31) What direct and/or indirect economic, industrial or labour market benefits would the program offer the student, community, region or province?**

TRSS is not anticipated to have direct or indirect economic, industrial or labour market benefits, except those related to protection of national security and public safety and renewal of the public service. (For further detail, see responses to Question 14 and 28 above).

**APPENDICES**

**Appendix 1:** Calendar entry

**Appendix 2:** Brief Description of Courses - NOT included, as no new courses

**Appendix 3:** Letters of support

**Appendix 4:** Memo from the library

**Appendix 5:** Details of program steering committee

**Appendix 6:** Abbreviated curriculum vitae for faculty

**Appendix 7:** Budget for the proposed program

(financial and personnel)

**Appendix 8:** Proposed tuition and other program fees,  
including a justification

## **Appendix 1: Calendar entry**

# **TERRORISM, RISK, AND SECURITY STUDIES (TRSS)**

## **MASTER OF ARTS**

### Description of Program

The Faculty of Arts and Social Sciences offers a master of arts (MA) in Terrorism, Risk, and Security Studies (TRSS). This program focuses on assessment and management of threats to national security and public safety, including terrorism, violent and organized crime, and cybersecurity. It is offered primarily online, with two 5-day residencies.

### Admission Requirements

Applicants must satisfy the University admission requirements as stated in Graduate General Regulation 1.3 in the SFU Calendar.

The TRSS graduate admissions committee may, at its discretion, recommend admission to students with lower formal qualifications than stated in Graduate General Regulation 1.3.3 (e.g., those without an undergraduate degree) when there is significant professional experience relevant to the proposed area of scholarship. Preference will be given to applicants working in related fields.

Due to the sensitive nature of information discussed during lectures, applicants should have or be capable of obtaining security clearance in Canada at the Reliability Status level or greater.

For further information contact the TRSS Program Coordinator at [admtrss@sfu.ca](mailto:admtrss@sfu.ca).

### Program Requirements

The program consists of coursework and a project for a total of 30 units.

Students must complete

TRSS 720 - Fundamentals of Security Risk Management (3)

TRSS 730 - Security and Civil Liberties: Canadian, Comparative, and International Perspectives (3)

TRSS 731 - Policy Making and Decision Analysis in Security Studies (3)

TRSS 740 - Research Methods for Security Studies (3)

and take the following course twice

TRSS 710 - Current Issues in Terrorism (3); repeated once for credit

and any combination of six units from

TRSS 721 - Psychological Assessment of Risk for Terrorism and Group-Based Violence (3)\*

TRSS 742 - Cybersecurity (3)\*

and a project

TRSS 798 - MA Project (Research Report) (6)

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## **Full Program Proposal**

\*may be repeated once for credit

## Program Length

Students are expected to complete the program requirements in seven terms.

## Other Information

### **Residencies**

Students will attend 5-day residencies offered at the start of their second and fourth terms in the program, during which time they will attend lectures offered in a conference-style format by internationally recognized experts. Students will receive an allowance to cover basic travel, accommodation, and meal costs associated with attendance at the residencies.

### **MA Project**

Due to the sensitive nature of the research undertaken by some TRSS students, there is no requirement to deposit completed MA Projects in the Library.

The project will be a research report not exceeding 50 pages in length. It will be supervised and graded by two readers, at least one of whom is a faculty member at SFU; at the discretion of the TRSS Director, the second reader may be someone from another university or working in the field who has relevant and appropriate expertise. Given the sensitive nature of master's projects completed by TRSS students, copies of the research reports are not deposited in the library or otherwise made available to the public.

### **Satisfactory Performance**

Each student's overall academic progress is evaluated once per year, in the Fall term. Each student will receive a copy of the annual progress report. A student who performs unsatisfactorily is not permitted to continue in the program, subject to the review procedure described in Graduate General Regulation 1.8.2.

### **Leave of Absence**

Students are required to maintain continuous enrolment. If they find it necessary to interrupt their studies, they must apply for a leave of absence before the term begins as per Graduate General Regulations.

## Academic Requirements within the Graduate General Regulations

All graduate students must satisfy the academic requirements that are specified in the Graduate General Regulations, as well as the specific requirements for the program in which they are enrolled.

**Appendix 3: Letters of support (for TRSS Full Program Proposal)**



FACULTY OF ARTS AND SOCIAL SCIENCES

November 12, 2019

Office of the Dean

8888 University Drive  
Burnaby BC Canada  
V5A 1S6

TEL: 778.782.4414  
FAX: 778.782.3033  
[www.sfu.ca/fass.html](http://www.sfu.ca/fass.html)

Dear Wade and Jon,

Thank you for your recommendations for revising the FPP for the Terrorism, Risk and Security Program. Approved pending revisions at the November 6, 2019 SCUP meeting, the FPP is hereby resubmitted with the requested revisions. The revised and abbreviated outline of the budget reflects Wade's recommendation that the Dean and AVPA need to know the budget details, while SCUP and Senate need only the expected tuition, enrolments, and anticipated costs.

The version of the FPP approved by the FASS Graduate Studies Committee followed several consultations with the Dean of FASS, Jane Pulkingham, and the Director of Finance, Bonnie Yeung. The version of the FPP approved by the Senate Graduate Studies Committee followed several consultations with the Dean of Graduate Studies, Jeff Derksen, and the Associate Director of Graduate Admissions, Records and Registration, Krista Gerlich-Fitzgerald. I can assert on behalf of the FASS Deans Office that we are as confident as one can be when making future financial projections that the budget for TRSS which has resulted from this rigorous process is accurate, and that TRSS will be a revenue-generating program in FASS.

Regards,

Sean Zwagerman  
Associate Dean, Graduate and Postdoctoral Studies,  
Faculty of Arts and Social Sciences  
Associate Professor, Department of English  
Simon Fraser University  
Burnaby/Vancouver, BC  
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January 17, 2019

Professor Deborah Connolly, Chair  
Department of Psychology

**Re: Terrorism, Risk, and Security Studies Program (TRSS)**

Dear Deb,

As we have discussed, I am requesting that: (a) the Department agree to house TRSS, currently offered on a temporary basis as a cohort special arrangement (CSAR) program, and (b) support an application to make the program permanent.

I am sorry I couldn't attend today's faculty meeting in person. Unfortunately, I have a meeting in Ottawa that has been scheduled since last September. Below, I provide an overview of the TRSS program and outline what I believe to be the potential risks and benefits to Psychology if the Department approves my requests.

#### **Overview of the TRSS Program**

TRSS is a premium fee professional Master's program in the Faculty of Arts. It is one of several such programs designed for non-traditional learners: people who have considerable employment experience in the field of public safety and are looking to enhance their work-related knowledge and skills, but also may have limited educational background, may be unable to get a leave from their day jobs to pursue full-time studies, and may reside anywhere in Canada. TRSS provides them the opportunity to complete a program of studies that is directly related to their interests with courses that are offered online and require only a brief residency. The program comprises nine courses and a total of 30 credits offered, with the capstone being a 6-credit Master's paper. The courses are offered lockstep, with each cohort of students taking the same course each semester for 9 consecutive semesters.

The original TRSS CSAR proposal was written by faculty from Criminology and History (Hellenic Studies) with interests in terrorism and counter-terrorism but also include faculty from those and other departments (Psychology, Political Science, International Studies, etc.) with interests in cybercrime, risk assessment, public policy, and so forth. I participated in the development of the original CSAR proposal and was one of the people identified as program faculty. The proposal was approved, with Criminology serving as the host academic unit. The two Co-Directors were Garth Davies from Criminology and André Gerylomatis from History.



DEPARTMENT OF PSYCHOLOGY

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April 2, 2019

To Whom It May Concern:

Re: Proposed Professional Online M.A. in Terrorism, Risk, and Security Studies (TRSS)

I am very pleased to write in support of the proposal to make the TRSS program a permanent program. Both students and faculty in the Law and Forensic area of the Dept. of Psychology will benefit directly from the program having permanent status. The program is also likely to provide direct connections between academic and applied work in forensic psychology and related areas. The program will provide additional course options for a number of graduate students in the department but will not compete with either existing graduate course offerings or teaching resources.

Yours truly,

A handwritten signature in blue ink, appearing to read "K. Slaney".

Kathleen Slaney, Ph.D.  
Associate Chair (Graduate)



SCHOOL OF  
CRIMINOLOGY

School of Criminology

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[www.sfu.ca/criminology.html](http://www.sfu.ca/criminology.html)

July 9, 2019

To whom it may concern,

**Re: Master of Arts in Terrorism, Risk and Security Studies**

I have been asked to forward a letter in support of the Terrorism, Risk and Security Studies (TRSS) Master of Arts full program proposal. I am happy to do so.

Criminology was happy to support the CSAR pilot program for the MA in TRSS, and continues to be supportive of the permanent program in its new home. The School initially provided the staff resources, and many of the faculty resources to get the program up and running. Over the past three years, several cohorts have made their way into the MA degree program and have shown themselves to be a solid, committed group of students. Some Criminology faculty remain interested in servicing the program, although some other faculty members who were instrumental in getting the MA started have backed away from program involvement. It is my understanding that Dr Richard Frank (a cyber security expert), Dr Raymond Corrado (a terrorism expert), and Dr Martin Bouchard (a criminal network expert) will continue to support the program as it moves forward as a permanent degree offering.

With diminished Criminology faculty involvement, this program was fortunate to find a new home in the university's Psychology Department. As its new Director, Dr Hart has proven to be a very capable and visionary leader who will ensure the degree program continues to deliver world class education to future cohorts. We are happy to have been responsible for getting this program off the ground, and we look forward to contributing faculty expertise to teach in the program as it moves forward.

Yours truly,

David MacAlister, M.A., J.D., LL.M.  
Associate Professor and Director

SIMON FRASER UNIVERSITY ENGAGING THE WORLD

19/10/2019

To whom it may concern

I have reviewed the information concerning the TRSS program and believe that its overlap with DEM at Royal Roads University is very small in terms of course content, and therefore competition between the programs with respect to recruitment of students is likely to be minor in all aspects.

If you need any further information, please don't hesitate to contact me.

Sincerely

Kenneth Christie

**Kenneth Christie PhD - Professor**

**Program Head-MA Human Security and Peacebuilding**

**President: RRU Faculty Association**

School of Humanitarian Studies | Royal Roads University

2005 Sooke Road, Victoria, BC Canada V9B 5Y2

T 250.391.2600 ext. 4236 | F 250.391.2619 | [royalroads.ca](http://royalroads.ca)

**LIFE.CHANGING**



October 21, 2019

To the SFU Graduate Studies Committee,

As the Director of the School of Criminology and Criminal Justice at the University of the Fraser Valley, I am providing this letter of support for the Terrorism, Risk and Security Studies (TRSS) Program in the Department of Psychology at Simon Fraser University. Our School offers an applied Master of Arts (Criminal Justice) program, and Dr. Stephen Hart, Director of the TRSS Program, requested that I review the TRSS Program to assess for whether there is any overlap between our two programs and if so, the degree of overlap.

The UFV Master's (Criminal Justice) program also operates using a cohort model and recruits public safety professionals for enrollment. Students take two classes three days per month over five semesters, for a total of 32 credits completed in a 20-month period. Our students are mid-career professionals from a wide range of areas including policing, corrections, law, and the non-profit sector. As an applied Master's program, the courses we offer emphasize skill development in practical areas relative to criminal justice system operation, including Human Resource Administration, Change Management, Policy Analysis and Social Justice, Ethical and Legal Issues in Criminal Justice, and Criminal Justice Reform. Students also complete courses on Contemporary Issues in Canadian Criminal Justice, and two selected topics courses, one of which focuses on law, policy, and practice relating to mental health and the criminal justice system, while the other focuses on Violent Political Crime. This latter course discusses theories of political crime, crimes of obedience, state torture, state and anti-state terrorism, genocide, and truth commissions. While there is some overlap with the content in TRSS' CRIM 710 *Current Issues in Terrorism*, such as discussion about definitions of terrorism, state and anti-state terrorism, various models and typologies of terrorism, theories of terrorism, and contemporary issues in terrorism, the Violent Political Crime Course only spends one-quarter of the course on terrorism. Dr. Irwin Cohen, an Associate Professor in the School of Criminology and Criminal Justice at UFV, is the instructor of the UFV course. Dr. Cohen has also served as a guest lecturer in the TRSS program at SFU and can attest that these courses have distinct content.

Therefore, with the one minor exception of the course content in one block of one of our MA courses, there is no overlap between our Master of Arts (Criminal Justice) courses and the courses operating as part of the TRSS program. I anticipate that the students seeking your program will have different motivations than those who traditionally seek our Master's program given the vastly different focus of program content.

Sincerely,

A handwritten signature in black ink that reads "Amanda McCormick".

Amanda McCormick, PhD  
Director, School of Criminology and Criminal Justice  
Associate Professor, University of the Fraser Valley  
[Amanda.McCormick@ufv.ca](mailto:Amanda.McCormick@ufv.ca)  
604-557-4081

05 July 2019

██████████  
██████████  
██████████  
██████████  
  
Professor Stephen D. Hart, PhD  
Director,  
Terrorism, Risk and Security Studies Program  
Simon Fraser University, Burnaby Campus  
8888 University Drive,  
Burnaby, B.C. V5A 1S6

**LETTER OF SUPPORT FOR THE TRSS PROFESSIONAL MASTER'S PROGRAM**

*Dear Dr Hart,*

I am writing to express my support for the TRSS Professional Master's program. While still early in the program I am already highly impressed with the content, delivery, and professional standards of both the faculty and students within. As a current member of the Canadian Armed Forces I believe this program will be invaluable to providing me with both academic education and real world experience. This program's unique Canadian focused content has been fantastic in exposing me to not only current issues and research in the world of terrorism studies but has also given me a unique opportunity to network with a diverse group of students across a variety of different government and civilian occupations. This networking has been invaluable in creating contacts across the country as well as exposing me to the wider public safety world and the roles we all have within. I continue to be impressed with the backgrounds, skill sets and enthusiasm of all of those involved in the program. The support I have received at all levels at SFU has been nothing short of fantastic and I have been highly recommending this program to all of my colleagues. I sincerely hope this program is added to the permanent offerings of SFU. It is a highly unique and valuable program that provides an exceptional education experience not found anywhere else in Canada.

I would be happy to provide any more information if required, please feel free to reach me at ██████████ if you wish to discuss further.

*Yours sincerely,  
Sean Bruce*

[REDACTED]  
[REDACTED]  
[REDACTED]  
[REDACTED]

16 July 2019

Professor Stephen D Hart, PhD  
Director  
Terrorism, Risk and Security Studies Program  
Simon Fraser University, Burnaby Campus  
8888 University Drive,  
Burnaby, B.C.  
V5A 1S6

**LETTER OF SUPPORT FOR THE  
TRSS PROFESSIONAL MASTER'S PROGRAM**

Dear Dr. Hart,

The TRSS program is a unique program that offers a Canadian perspective, while delivering a breadth of in depth research in an area that has very little academic representation within Canada. As the Operations Officer to the Canadian Forces National Investigation Service (CFNIS) and a former representative to the National Security Joint Operations Center, my only regret has been not taking this program sooner in my career.

I would consider the TRSS as a force multiplier in the larger national security and public safety environment. The TRSS program brings together both academic and various government departments to explore the various aspects of those threats that we face today. Too often we are focused externally in our research when we should really be refocusing our attention to what is also within our borders and how we fit within the international community. The program has allowed me to advance my professional development in a flexible and balanced format; many of my research projects have had a direct correlation to my occupation, building situational awareness and promoting further discussion within my Chain of Command.

I cannot stress enough how beneficial the flexible online format is, allowing me to meet operational demands wherever they take me. This program has fostered meaningful collaboration on a national perspective, promoting real time discussions on regional issues that have a globalized footprint. I find this program a corner stone to capacity building within the National Security and Law Enforcement environment, promoting discussion and networking, while addressing information gaps and experience among the cohort.

I would like to sincerely offer my voice of support for continuing and expanding the TRSS program. This area of studies has allowed for members of the cohort to specialize and work towards become subject matter experts within their field, while addressing areas that sometimes get lost within the larger operational tempo.

Sincerely,



George Gies

[REDACTED]  
[REDACTED]  
[REDACTED]

Professor Stephen D. Hart, PhD  
Director,  
Terrorism, Risk and Security Studies Program  
Simon Fraser University, Burnaby Campus  
8888 University Drive,  
Burnaby, B.C. V5A 1S6

16 July 2019

Dear Dr. Hart,

Please accept this letter of support written from my perspective as an employee of the Canada Border Services Agency (CBSA). I have been employed with CBSA since 2014 and joined the agency with no previous experience in law enforcement or security services. Furthermore, I had graduated university with a background in biology and was thus prepared for a large learning curve in the new field. With this in mind, I embarked with the intention of continuing my studies in an area that would both support the agency and my career aspirations.

While Cohort 3 has yet to complete the second semester of the program, it is evident that the Terrorism, Risk and Security Studies (TRSS) Professional Master's Program was designed with a unique approach to welcome students of various educational backgrounds and experiences. In my opinion, this is one of the greatest strengths of the program and has allowed for students to not only learn from the professors, but from the "real-life" perspectives of their classmates. Professors have been extremely encouraging in this regard and have fostered a welcoming environment for active discussions from all standpoints.

With regards to the structure of the program, I must acknowledge that the ability to connect remotely through the Zoom platform was a key decisive factor in my application. I was not initially cognisant that cohort members would be located in various parts of the country, but it is now evident that the flexibility to attend from our respective locations has been fundamental to the success of the program. This element of the program allows students to continue their professional duties, whilst forwarding and achieving their academic objectives.

From a personal perspective, furthering my knowledge within the presented curriculum will be of great value to my position with the CBSA. I am in daily contact with Foreign Nationals residing within our borders and am required to identify any possible security risks or concerns as part of my duties. Furthermore, I am hopeful to secure a position in the Intelligence sect of the Agency and am confident that my knowledge from the TRSS

program will effectively support the objectives to identify, target and address possible security risks before reaching our borders.

I am very much looking forward to the upcoming courses in the TRSS program and am positive that the knowledge gained from the entirety of the program will benefit the professional careers of all students. The blend of international and Canadian-based research has been fundamental in positioning my views on the topics at hand, and the international experience of the professors has further contributed to the complex and contested discussion topics.

With the current dynamic nature of national security, I believe it is imperative that professionals in the field have an strong academic background in the work that they conduct on a daily basis. Canada is one of the most diverse countries in the world and must therefore be protected with a multi-faceted approach that is ultimately reliant upon research-based policy decisions.

If required, I will be happy to be provide a follow-up letter at a further stage in the TRSS program.

Yours sincerely,



Mariya Vostretsova

Shawn Zinck



July 11, 2019

Professor Stephen D. Hart, PhD  
Director,  
Terrorism, Risk and Security Studies Program  
Simon Fraser University, Burnaby Campus  
8888 University Drive,  
Burnaby, B.C. V5A 1S6

Dear Dr Hart,

**LETTER OF SUPPORT FOR THE TRSS PROFESSIONAL MASTER'S PROGRAM**

I wanted to take the opportunity to convey to you the positive experience I have had as a student in the Terrorism, Risk, and Security Studies Master's program at Simon Fraser University.

Firstly, when my decision was made to pursue further education, I conducted an exhaustive search of Master's programs in search of both my particular interest in subject matter related to my profession, and the flexibility to accommodate the needs of a working professional, parent, and spouse. The TRSS program was the only one I found that checked all of those requirements.

As an employee with the Canada Border Services Agency for eighteen years and in my current role as a Senior Policy Analyst, I feel that the program has already paid dividends by enhancing my ability to provide solid policy advice and recommendations on matters related to border security. Although I am currently in my first year of the program, I see clear evidence that it has strengthened my abilities, skills and awareness, and as a result, has also benefitted Canadians.

The course content is current, well planned, balanced, and executed in a manner which combines teaching, research and practical application of knowledge through assignments, presentations, projects, major papers and finally a thesis. It weaves together both Canadian and International contexts to provide a global perspective.

The flexibility in terms of the delivery method through an online portal, allows for distance learning which facilitates equal participation from students across the entire country and also while they may be travelling abroad. It has been an enabler and not a barrier to learning. I have found the workload allows for a comfortable balance between study and personal life. The online applications (both Canvas and Zoom) are stable,

reliable, and free of technical issues. It is clear it has been designed with students in mind.

Lastly, I would like to highlight the more indirect benefits of the program. The broad range of professionals attracted to the program creates an outstanding and virtually unprecedented forum to exchange ideas, knowledge, and make valuable interdepartmental contacts with colleagues and between multiple public safety agencies. This environment combines both the academic and practical, real-life elements and in doing so, I feel it has enhanced my ability to analyse and advise senior federal government leadership on core public safety policy issues.

Yours sincerely,

Shawn Zinck

July 13, 2019

[REDACTED]  
[REDACTED]  
[REDACTED]

Professor Stephen D. Hart, PhD  
Director, Terrorism, Risk and Security Studies Program  
Simon Fraser University, Burnaby Campus  
8888 University Drive  
Burnaby, British Columbia V5A 1S6

Subject: Letter of support for the Terrorism, Risk and Security Studies Master's Program

Dear Dr. Hart,

I am writing to express my support for the Terrorism, Risk and Security Studies Master's Program at Simon Fraser University.

What initially drew me to the program is its unique blend of both Canadian and international perspectives on issues that I face daily in my role as a policy analyst at Immigration, Refugees and Citizenship Canada. The wide range of professionals enrolled in the program, as well as the diverse and knowledgeable teaching staff, have contributed to valuable discussions and deep dives into issues in such a way that not only benefits me professionally, but also personally.

The technology used to facilitate this program allows students located across the country to attend. The flexibility to attend class from anywhere in the world is a definite asset as I continue my career with the possibility of international postings. Additionally, contributing to student success is the fact that classes are recorded and posted which allows for occasional non-attendance without missing an evening of instruction.

Although it has been an adjustment to return to school while working full time, I have found that the course expectations and workload have allowed a nice balance. I am looking forward to continuing through the program and am excited about the course offerings. I have had a number of colleagues express interest in the program. There are limited educational opportunities in the field of terrorism, risk and security studies and therefore I hope to see this program continue.

Sincerely,

Hannah Manning



Professor Stephen D. Hart, PhD  
Director,  
Terrorism, Risk and Security Studies Program  
Simon Fraser University, Burnaby Campus  
8888 University Drive,  
Burnaby, B.C. V5A 1S6

2 July 2019

Dear Dr. Hart,

**LETTER OF SUPPORT FOR THE TRSS PROFESSIONAL MASTER'S PROGRAM**

The threat landscape within Alberta and Canada has become more diverse and complex over the last few years, a critical component in order to adequately address these threats is to invest in specialized training and education for law enforcement, armed forces and intelligence professionals. The unique interdisciplinary TRSS program at Simon Fraser University will provide the necessary specialized training to help achieve the provincial and national strategic goals to keep Canadians safe.

The TRSS program leverages SFU's recognized strengths in Terrorism Studies, Human Intelligence, Computation and Big Data, Risk Assessment, Decision Analysis, and Public Policy to address national security issues from a variety of diverse, yet complimentary disciplinary perspectives with a balance between terrorism, information technologies and data analysis, risk assessment and management and policy implications. The value of having lecturers both with academic and professional experience in these subjects makes them uniquely qualified to be subject matter experts and provides invaluable insight into understanding these complex areas of study.

Within Canada, graduate training with a strong and comprehensive security focus is splintered among various institutions. However, there are two programs within Canada that are similar to the TRSS program, the University of Toronto and the University of Calgary. The main focus of University of Toronto's Master of Global Affairs is on the global economy and markets, institutions, and civil society. Security is touched on in the program but is not the main concentration. Likewise, the University of Calgary's Master of Strategic Studies, while somewhat comparable to TRSS, has a strong military, strategy, and international relations focus. These programs only address part of the training needed to successfully confront a changing threat environment using a holistic approach.

SFU's TRSS Professional Graduate Program addresses a training gap evidenced from these comparable programs and the reason I selected SFU. Students are trained

across the full continuum of terrorism and security studies using a holistic approach to view the current threat environment through a wider prism of knowledge and experience. A key differentiator of TRSS is its focus on computation and Big Data delivered online, meaning that students are trained to effectively capitalize on the technology to support risk management, strategic decision-making, and analysis. Advanced hands-on training, backed by the latest research with Canada focused research, will upgrade practitioner skills to cross-reference Big Data with human investigation to effectively confront the threats our nation faces.

The TRSS program is also unique as it is restricted to educating Canadians currently employed in law enforcement, armed forces, security and intelligence. This restriction helps to facilitate crucial networking and exchange of knowledge with each other and with the specialized academics studying these complex topics. Furthermore, by ensuring a broad range of professionals are admitting to the specialized program, this helps to facilitate an exchange of ideas from a variety of different perspectives so we are better able to address the policy gaps between our organizations that would not be readily apparent otherwise.

Given that professions like myself in this line of work often are required to work long and diverse shift schedules, the flexible approach of this program allows for students to maintain a balance between their professional, personal and academic duties. While I have only begun the program this year, I have already been able to put valuable lessons taught within the program into practice at work.

*Yours sincerely,*

*Sarah Marks*

[REDACTED]  
[REDACTED]  
[REDACTED]

Professor Stephen D. Hart, PhD  
Director,  
Terrorism, Risk and Security Studies Program  
Simon Fraser University, Burnaby Campus  
8888 University Drive,  
Burnaby, B.C. V5A 1S6

July 10, 2019

**LETTER OF SUPPORT FOR THE TRSS PROFESSIONAL MASTER'S PROGRAM**

Dear Dr. Hart,

I am writing this letter to provide my support for the Terrorism, Risk, and Security Studies (TRSS) Professional Master's program. I have been a student of this program since January of this year and have found the courses that I have taken thus far to be of relevance and applicable to my profession as a law enforcement officer with the BC RCMP. The following are my reasons for support:

To my knowledge, Simon Fraser University is the only accredited post secondary institution in Canada that offers this three-year graduate level program specifically to professionals currently working in the fields of law enforcement, national security, risk management, intelligence, policing, and the armed forces. In the context of current world events, I believe that this program, with its balanced curriculum in terrorism, risk management and security, is of utmost relevance and would be of benefit to persons working in law enforcement and public security, whether for personal, academic or professional development. This was one of the reasons that I applied to this program. I have mentioned to many of my colleagues in 'E' Division that I am taking this program and they have been impressed that it is offered by Simon Fraser University.

I have found the course content thus far (*Cybersecurity and Current issues in Terrorism*) to be reflective of current issues, well thought out and applicable to a policing context. The respective professors (Dr. Richard Frank and Dr. Roger Warren) are extremely knowledgeable in their subject matter and their passion for sharing their knowledge, expertise and experience with the students is evident. I have been impressed with the level of engagement that these two professors have had with responding to questions, providing feedback, encouraging discussion and making the

material relatable to each student's work environment. Similarly, having classmates made up entirely of professionals in a broad range of agencies from within the Canadian public security community has allowed for a meaningful sharing of ideas, perspectives and knowledge in relation to course topics and public security challenges that can only be derived from real world experiences, in addition to being a good opportunity for networking to occur for potential collaboration in the workplace.

Additionally, the flexibility and online component of the TRSS program has provided the opportunity for me and others, who prefer not to or are unable to halt our careers in order to pursue our education (most Canadian university Master's programs require a fulltime physical attendance making it difficult to work), to pursue our professional and educational goals at the same time. Like many of the other students in my cohort, my current position at work requests that I travel on occasion. Using Zoom as a medium to deliver the class sessions has made it possible for myself and my classmates to attend classes and partake in class discussions in real time so that we do not fall far behind, while being in different geographic locations as long as there is an internet connection. Alternatively, there is the option to view recorded sessions for missed classes, which is an added benefit.

For the above-noted reasons, I support the TRSS Professional Master's Program being offered as a permanent program within Simon Fraser University's course offerings. It is a unique program with a balanced curriculum in International and national issues, knowledgeable professors, flexibility that considers the realities of operational requirements of professionals in law enforcement and fosters the possibility of networking amongst public security professionals across Canada in dealing with current issues.

Sincerely,

*Lana Chui*

Lana Chui

Sukhi DHESI:



Professor Stephen D. Hart, PhD  
Director,  
Terrorism, Risk and Security Studies Program  
Simon Fraser University, Burnaby Campus  
8888 University Drive,  
Burnaby, B.C. V5A 1S6

July 2, 2019

Dear Dr Hart,

**LETTER OF SUPPORT FOR THE TRSS PROFESSIONAL MASTER'S PROGRAM**

I am writing this letter to strongly express my support for the Terrorism, Risk and Security Studies (TRSS) Program, which I began in January 2019. The TRSS program was of immediate interest to me because of my current position, which includes the National Security portfolio at West Vancouver Police. I have been in law enforcement for over 27 years and have noted the many changes that have taken place within the national security sphere during that time, particularly since September 2001. As law enforcement professionals, we need to maintain awareness of trends and developments relating to national security at the local, national, and international levels, and stay abreast of new academic findings that may assist us in our investigations.

To develop my skillset, I chose the Masters TRSS Program at Simon Fraser University because it is the only university in Canada that has such a teaching and research focus relating to national security and risk mitigation studies. Furthermore, the TRSS Program at SFU offers a variety of courses and offers research methods and supervised research, unlike other universities. Although the TRSS curriculum offers courses in terrorism, risk, and security studies, it is largely focussed on current trends, which is of significant value in my profession.

With shift work and often long hours, it was important for me to find a program that was flexible. The TRSS program allows for a balance between my professional work, domestic duties, and studying. Furthermore, the teaching technology, Zoom, allows flexibility to attend classes from anywhere there is an internet connection; from the comfort of home or my office.

I am enrolled in Cohort 3, and there is a broad range of professional students with varying levels of experience and expertise allowing for networking and exchanging information and intelligence that not only benefits my current professional role, but also academically.

In this short time in the program, I have gained knowledge that has benefited me professionally and I have networked and exchanged knowledge from other sectors of the Canadian public safety community including, Army, Navy, Municipal Police Agencies, Royal Canadian Mounted Police, Canada Boarder Service Agency, Canada Post and Global Affairs Canada. The professors in the TRSS program are extremely passionate in their field and have a tremendous amount of professional, personal and academic expertise, which has assisted in my development.

The current courses and valuable knowledge I have gained to date has assisted me on my day to day job. I fully support the TRSS program and would recommend it to anyone who is interested in the field of terrorism and risk mitigation.

Yours sincerely,

A handwritten signature in blue ink, appearing to read 'Sukhi', followed by a period.

Sukhi DHESI

**Appendix 4: Memo from the library**

This requirement is not applicable. All the course proposals submitted as part of the TRSS Pilot Program were reviewed and approved by the library as not requiring new resources (see Appendix 3). As the TRSS Full Program Proposal relies on the courses already approved for the TRSS Pilot Program, it does not require any new library resources or new review from the library.

**Appendix 5: Details of program steering committee (if applicable)**

The TRSS Program Steering Committee will provides strategic and operational oversight and support, as it does currently for the TRSS Pilot Program. With respect to strategy, working with the Program Director, the Steering Committee's responsibilities will include development and approval of strategy, evaluation of progress toward strategic objectives, and supporting engagement with community stakeholders. With respect to operations, working with the Program Director, the Steering Committee's responsibilities will include implementation and evaluation of strategy, coherence with university policies and procedures, maintenance of academic standards, and budgeting and finances.

The Steering Committee members will be:

- Dr. Sean Zwagerman, Associate Dean, Graduate and Postdoctoral Studies, Faculty of Arts and Social Sciences
- Dr. Dianne Jamieson-Noel, Program Director, Centre for Online and Distance Education
- Dr. Deborah Connolly, Professor and Chair, Department of Psychology
- Mr. David MacAlister, Associate Professor and Director, School of Criminology
- Dr. Alex Moens, Professor and Chair, Department of Political Science
- Dr. Raymond Corrado, Professor, School of Criminology

The Steering Committee will be assisted in its work by the TRSS Program Advisory Committee. The Advisory Committee will provide strategic advice to TRSS, as it currently does for the TRSS Pilot Program. Responsibilities of the Advisory Committee will include providing focused input on key aspects on the Program's development and evolution, identifying current trends and sharing practitioner knowledge and experience communicating professional training needs and demands, and sharing best practices. The Advisory Committee will also act as a link between the Program and stakeholder communities.

The Advisory Committee members currently include:

- Superintendent John Baranyi, Royal Canadian Mounted Police
- Mr. Scott Newark, Security Consultant
- Deputy Chief Constable Lawrence Rankin, Vancouver Police Department
- Mr. Robert Young, Security Consultant (formerly Canadian Security and Intelligence Service)

## **Appendix 6: Abbreviated curriculum vitae for faculty**

### **Brief Curriculum Vitae: Stephen D. Hart, PhD**

#### **A. Education**

Ph.D. (Clinical Psychology), University of British Columbia (1993)  
M.A. (Clinical Psychology), University of British Columbia (1987)  
B.A. (Psychology), University of British Columbia (1984)

#### **B. Employment**

Simon Fraser University (1990-present)  
Professor, Department of Psychology (2001-present)  
Director, Terrorism, Risk and Security Studies (2018-present)  
Associate Member, School of Criminology (2018-present)  
Associate Dean, Faculty of Graduate Studies (1998-2000)  
Associate Chair, Graduate, Department of Psychology (1997-1998, 2010-2011)  
Associate Professor, Department of Psychology (1995-2001)  
Assistant Professor, Department of Psychology (1994-1995)  
Assistant Professor, Department of Psychology, Limited Term (1990-1994)  
University of Bergen (2000-present)  
Visiting Professor, Faculty of Psychology (2000-present)

#### **C. Selected Teaching Experiences**

##### **Graduate Courses**

CRIM 721 (Psychological Assessment of Risk for Terrorism and Group-Based Violence); CRIM 740 (Introduction to Quantitative Research Methods and Statistical Modelling); PSYC 820/821 (Psychological Assessment/Practicum in Psychological Assessment); PSYC 824 (Research Design in Clinical Psychology); PSYC 836 (Clinical-Forensic Assessment); PSYC 806 (Special Topics in Clinical Assessment); PSYC 990 (Special Topics in Psychology and Law); PSYC 910 (Research Methods); PSYC 744 (Psychopathology);

#### **D. Selected Grants**

Canadian Network for Research on Terrorism, Security and Society (2015-2016)  
Title: *A Concurrent Evaluation of Threat Assessment Tools for the Individual Assessment of Terrorism*  
Investigators: S. D. Hart, A. N. Cook, E. Pressman, & S. Strang  
Amount: CAD \$ 17,250  
Public Safety Canada, Kanishka Project Contribution Program (2012-2014)  
Title: *Risk/Threat Assessment and Management of Group-Based Violence (including Terrorism)*  
Investigators: A. N. Cook & S. D. Hart  
Amount: CAD \$ 31,247

#### **E. Selected Publications**

Hart, S. D. (in press). Assessment of risk for group-based violence. In D. Eaves, C. D. Webster, Q. Haque, & J. Thakken-Eaves (Eds.), *Structured professional judgment of violence risks: A practical guide*. Hove, UK: Pavilion Publishing and Media.

**Brief Curriculum Vitae: Stephen D. Hart, PhD (continued)**

- Hart, S. D., & Roesch, R. (2019). Mental disorder and the law. In D. J. A. Dozois (Ed.), *Abnormal psychology: Perspectives*, 6th ed. (pp. 482-503) Toronto: Pearson. [ISBN: 9780134428871]
- Hart, S. D., Cook, A. N., Pressman, D. E., Strang, S., & Lim, Y. L. (2017). *A concurrent evaluation of threat assessment tools for the individual assessment of terrorism*, TSAS Working Paper No. 17-1. Waterloo, Canada: Canadian Network for Research on Terrorism, Security and Society. Available at: [http://tsas.ca/tsas\\_library\\_entry/tsas-wp17-01-a-concurrent-evaluation-of-threat-assessment-tools-for-the-individual-assessment-of-terrorism/](http://tsas.ca/tsas_library_entry/tsas-wp17-01-a-concurrent-evaluation-of-threat-assessment-tools-for-the-individual-assessment-of-terrorism/)
- Hart, S. D. (2016). Culture and violence risk assessment: The case of *Ewert v. Canada*. *Journal of Threat Assessment and Management*, 3, 76-96. [DOI: 10.1037/tam0000068]
- Kreis, M. K. F., Hoff, H. A., Belfrage, H., & Hart, S. D. (Eds.). (2016). *Psykopati*. Copenhagen: Hans Reitzels Forlag. [ISBN: 978-87-412-5665-8]
- Hart, S. D., Douglas, K. S., & Guy, L. S. (2016). The structured professional judgment approach to violence risk assessment: Origins, nature, and advances. In L. Craig & M. Rettenberger (Volume Eds.) and D. Boer (Series Ed.), *The Wiley handbook on the theories, assessment, treatment of sexual offending: Volume II. Assessment* (pp. 643-666). Oxford, UK: Wiley. [ISBN: 9781118572665]
- Douglas, K. S., Hart, S. D., Webster, C. D., & Belfrage, H. (2013). *HCR-20<sup>V3</sup>: Assessing risk for violence*. Burnaby, Canada: Mental Health, Law, and Policy Institute, Simon Fraser University. [ISBN: 978-0-86491-344-9]

**F. Selected Addresses and Conference Presentations**

- Hart, S. D. (2019, March). *Beyond validity: The quest for justice in violence risk assessment*. Invited address presented at the annual meeting of the American Psychology-Law Society (Div. 41 of the American Psychological Association), Memphis, Tennessee.
- Hart, S. D. (2018, March). *Assessing risk for violence: Approaches and tools*. Panel presentation at the National Judicial Institute Criminal Law Seminar, Québec City, Canada.
- Hart, S. D. (2018, March). *Evidence-based practice in threat assessment: What science can and can not tell us about assessing violence risk*. Invited address, annual meeting of the Asia-Pacific Association of Threat Assessment Professionals, Wellington, New Zealand.
- Hart, S. D. (2017, November). *Violence risk assessment, culture, and Indigenous Peoples: Lessons learned from Ewert v. Canada*. Keynote address at the annual meeting of the Australian and New Zealand Association of Psychiatry, Psychology and Law, Perth, Australia.
- Hart, S. D. (2017, October). *Extremists acts, response and prevention* [Panel member]. Panel discussion presented at the annual meeting of the Canadian Association of Threat Assessment Professionals, La Malbaie, Canada.
- Hart, S. D. (2017, March). *A concurrent evaluation of threat assessment tools for the individual assessment of terrorism*. Invited address at the meeting of the Canadian Network for Research on Terrorism, Security, and Society, Ottawa, Canada.
- Hart, S. D., & Cook, A. N. (2013, April). *Risk for terrorism: Assessment of individual- and group-level factors*. Invited address, conference on "Security and terrorism in the modern world: Social science and legal perspectives," sponsored by University of Nebraska-Lincoln Program of Excellence award in conjunction with Great Plains National Security Education Consortium, Lincoln, Nebraska.

# **RICHARD FRANK**

Ph.D. – SFU 2013 [Criminology]

Ph.D. – SFU 2010 [Computing Science]

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## **HIGHLIGHTS OF QUALIFICATIONS**

- Assistant Professor, School of Criminology, Simon Fraser University, Canada – Specializing in cybercrime
- Ph.D. in Criminology at Simon Fraser University [degree received Fall 2013]
- Ph.D. in Computing Science at Simon Fraser University [degree received Summer 2010]
- 20 journal articles, 33 conference proceedings, 10 book chapters, and involved in 77 presentations

| <i>Per Google Scholar</i> | All | Since 2013 |
|---------------------------|-----|------------|
| Citations                 | 741 | 619        |
| h-index                   | 16  | 14         |
| i10-index                 | 28  | 25         |

## **EDUCATION**

**Doctorate of Criminology** Simon Fraser University Burnaby, BC  
Thesis in the field of Criminology, titled "Reconstructing the Activity Space of an Offender". Studied crime attractors and offender movement, online child-exploitation networks, and cybercrime. GPA: 3.97

**Doctorate of Computing Science** Simon Fraser University Burnaby, BC  
Thesis in the field of data-mining, entitled "A Multi-Relational Approach to Spatial Classification". Courses studied include Data Mining, Algorithm Complexity Analysis, Medical Imaging. GPA: 3.67

**Systems Analyst Post-Graduate Certificate Program** Conestoga College Waterloo, ON  
Studied applications development, databases, networks, and data communications. GPA: 4.0

**Bachelors of Mathematics** University of Waterloo Waterloo, ON  
"Honours Business Administration Option/Economics – Co-operative Program". GPA: 3.5

## **RESEARCH GRANTS AND CONTRACTS**

|             |                        |                                                                                                                                                                                                 |           |     |
|-------------|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-----|
| 2019        | Principal Investigator | Public Safety Canada's Cyber Security Cooperation Program "Fighting Disinformation Warfare with Artificial Intelligence - Using machine learning to identify and combat disinformation attacks" | \$28,750  | CAD |
| 2018 – 2019 | Principal Investigator | Public Works and Government Services Canada "A taxonomy-based data collection and notification system for online investigations"                                                                | \$158,102 | CAD |
| 2017 – 2018 | Principal Investigator | Public Safety Canada "Hackers hedging bets: a cross-community analysis of online hacking forums"                                                                                                | \$43,700  | CAD |
| 2016 – 2017 | Technical Lead         | Public Safety Canada "The Price of Marijuana in Canada"                                                                                                                                         | \$74,241  | CAD |
| 2016        | Principal Investigator | Credit Union "Payment Center" Ltd. "Anonymous payments and their most common criminal applications based on an analysis of Russian language internet resources"                                 | \$15,000  | USD |
| 2015 – 2017 | Principal Investigator | Public Works and Government Services Canada "Darkweb Crawler"                                                                                                                                   | \$188,705 | CAD |
| 2015 – 2016 | Principal Investigator | Public Safety Canada's Cyber Security Cooperation Program "eLaundering: Analyzing Online Markets that Facilitate Money Laundering"                                                              | \$45,034  | CAD |
| 2014 – 2015 | Principal Investigator | Public Safety Canada's Cyber Security Cooperation Program "Identifying Canadian Targets in Hacker Forums"                                                                                       | \$47,000  | CAD |
| 2014 – 2015 | Principal Investigator | Canadian Internet Registration Authority "Location Extraction of Child Exploitation Networks"                                                                                                   | \$49,841  | CAD |
| 2014 – 2015 | Collaborator           | Defence Research and Development Canada's Centre for Security Science (DRDC CSS)                                                                                                                | \$87,000  | CAD |
| 2013 – 2015 | Technical Lead         | Public Safety Canada (Daniel Hiebert is PI) "Canadian Incident Database"                                                                                                                        | \$130,000 | CAD |
| 2011        | Principal Investigator | Public Safety Canada "Social Media Sites: New Fora for Criminal Communication, and Investigation Opportunities"                                                                                 | \$20,000  | CAD |

## JOURNAL PUBLICATIONS

- Under Review:* Ouellet, M., Kilmer, B., Macdonald, M., Bouchard, M., Morselli, C., and Frank R.: "The Price Elasticity of Cannabis: Evidence from Canada", Drug and Alcohol Dependence
- Under Review:* Movahedi, F., Frank, R., "Identifying key players in a network of child exploitation websites using Principal Component Analysis", Journal of Quantitative Criminology
- Under Review:* Smith, R., Frank, R., "Dishing the Deets: How dark web users teach each other about international drug shipments", International Journal of Drug Policy
- Under Review:* Leung, C., and Frank, R., "Unity Starts with U: A Case Study of a Counter-Hate Campaign Through the Use of Social Media Platforms", Journal of Hate Studies
23. Bouchard, M., Davies, G., Frank, R., Wu, E., & Joffres, K. (Forthcoming, 2019). "The Social Structure of Extremist Websites." In J. Littlewood, L. Dawson, & S. Thompson (Eds.), Canada Among Nations: Terrorism and Counterterrorism. Toronto: University of Toronto Press.
  22. Scrivens, R., Davies, G., Frank, R., "Measuring the Evolution of Radical Right-Wing Posting Behaviours Online", Deviant Behavior, 2018
  21. Macnair, L., and Frank, R., "Changes and stabilities in the language of Islamic state magazines: a sentiment analysis", Dynamics of Asymmetric Conflict, 11:2, 109-120, 2018
  20. Macnair, L., and Frank, R., "The mediums and the messages: exploring the language of Islamic State media through sentiment analysis" Studies in Conflict and Terrorism, March 2018
  19. Mikhaylov, A., and Frank, R., "Illicit Payments for Illicit Goods: Noncontact Drug Distribution on Russian Online Drug Marketplaces" Global Crime, Volume 19, 2018 - Issue 2
  18. Monk, B., Mitchell, J., Frank, R. and Davies, G., "Uncovering Tor: An examination of the network structure" Security Measurements of Cyber Networks, a special issue of Security and Communication Networks, 2018
  17. Macdonald, M., & Frank, R., "Shuffle Up and Deal: Use of a Capture-Recapture Method to Estimate the Size of Stolen Data Markets", American Behavioral Scientist, September 2017.
  16. Macnair, L., Frank, R., "Voices Against Extremism: A case study of a community-based CVE counter-narrative campaign" Journal for Deradicalization, Spring 2017 Nr. 10
  15. Macnair, L., Frank, R., "To My Brothers in the West...: A Thematic Analysis of Videos Produced by the Islamic State's al-Hayat Media Center" Journal of Contemporary Criminal Justice - Counter Violent Extremism (Volume 33, Issue 3, August 2017; pp. 234-253)
  14. Scrivens, R., Davies, G., Frank, R., "Searching for Signs of Extremism on the Web: An Introduction to Sentiment-based Identification of Radical Authors" Behavioral Sciences of Terrorism and Political Aggression (Issue 1, 2017)
  13. Melo, S.N., Frank, R., Brantingham, P., "Voronoi Diagrams and Spatial Analysis of Crime", Applied Spatial Analysis and Policy (2016)
  12. Macdonald, M., & Frank, R., "The Network Structure of Malware Development, Deployment and Distribution." Global Crime, DOI: 10.1080/17440572.2016.1227707 (2016)
  11. Westlake, B., Bouchard, M., Frank, R., "Assessing the Validity of Automated Webcrawlers as Data Collection Tools to Investigate Online Child Sexual Exploitation", Sexual Abuse: A Journal of Research and Treatment, 1-24, 2015
  10. Wong, M.A., Frank, R., Allsup, R., "The supremacy of online white supremacists - an analysis of online discussions by white supremacists", Information & Communications Technology Law, Volume 24, Issue 1, 2015
  9. Reid, A.A., Frank, R., Iwanicki, N., Dabbaghian, V., Brantingham, P., "Uncovering the Spatial Patterning of Crimes: A Criminal Movement Model (CrMM)", Journal of Research in Crime and Delinquency, Volume 51, Issue 2, March 2014, pp. 229-254
  8. Andresen, M.A., Frank, R., and M. Felson, "Age and the distance to crime." Criminology & Criminal Justice, July 2013
  7. Andresen, M.A., Felson, M., and Frank, R., "The geometry of offending and victimization." Canadian Journal of Criminology and Criminal Justice 54(4), pp. 495-510, 2012
  6. Frank, R., Brantingham, P.L., Farrell, G., "Estimating the True Rate of Repeat Victimization from Police Recorded Crime Data: A Study of Burglary in Metro Vancouver" Canadian Journal of Criminology and Criminal Justice, in press, 2012
  5. Frank, R., Andresen, M.A., and Brantingham, P.L., "Visualizing the directional bias in property crime incidents for five Canadian municipalities." Canadian Geographer 57(1), pp. 31-42, 2012
  4. Frank, R., Andresen, M.A., and Brantingham, P.L., "Criminal directionality and the structure of urban form." Journal of Environmental Psychology 32(1), pp. 37-42, 2012
  3. Frank, R., Andresen, M.A., and Felson, M., "The geodiversity of crime: evidence from British Columbia." Applied Geography, 34, pp. 180-188, 2012
  2. Frank, R., Dabbaghian, V., Reid, A., Singh, S., Cinnamon, J. and Brantingham, P., "Power of Criminal Attractors: Modeling the Pull of Activity Nodes", Journal of Artificial Societies and Social Simulation 14 (1), p. 6, 2011
  1. Westlake, B., Bouchard, M., Frank, R., "Finding the key players in online child exploitation networks", Policy and Internet special issue on Cybercrime, 2011

**Brief Curriculum Vitae: Raymond R. Corrado, PhD**

**A. Education**

Ph.D. (Political Science), Northwestern University (1975)  
M.A. (Political Science), Northwestern University (1969)  
B.A. (Political Science), Michigan State University (1967)

**B. Employment**

Simon Fraser University (1990-present)  
Director, Institute on Violence, Terrorism & Security (2018-present)  
Professor, School of Criminology (1990-present)  
Associate Professor, School of Criminology (1982-1990)  
Assistant Professor, School of Criminology (1977-1982)  
Cambridge University (1984-present)  
Visiting Professor, School of Criminology (1984-present)  
Visiting Professor, Clare Hall (1984-present)  
University of Bergen (2011-2016)  
Visiting Professor, Faculty of Law

**C. Selected Grants**

Social Sciences and Humanities Research Council of Canada (2016-2018)  
Title: *A Longitudinal Study of the Reoffending Outcomes of Serious-Violent, Gang-Involved, Mentally Disordered, and Sexual Offenders Supervised on Specialized Youth Probation*  
Amount: CAD \$ 63,081  
British Columbia Ministry of Children and Family Development and Ministry of Public Safety and Solicitor (2015-present)  
Title: *The Vancouver Birth Cohort Project on the psychosocial development of at-risk children*  
Amount: CAD \$ 86,000  
Social Sciences and Humanities Research Council of Canada (2012-2014)  
Title: *Study on Specialized Community Case Management of Young Offenders*  
Amount: CAD \$ 6,183  
Social Sciences and Humanities Research Council of Canada (2009-2012)  
Title: *Validity of the Comprehensive Assessment of Psychopathic Personality Disorder among a Sample of Incarcerated Serious and Violent Young Offenders*  
Amount: CAD \$ 135,000

**D. Selected Publications**

Corrado, R. R., & Cohen, I. M. (2017). Optimizing local responses to current and shifting terrorist trends. In T. Anderson, K. Gisbourne and P. Holliday (Eds). *Every officer is a leader: Coaching leadership, learning and performance in justice, public safety, and security organizations*. Canada: Trafford Publishing.  
Corrado, R. R., Cohen, I., & Davies, G. (2017). Terrorism crime prevention policies in liberal democracies: Challenges, dilemmas, and options. In J Winterdyke (Ed.), *Crime prevention: International perspectives, issues, and trends*  
Cohen, I. M., & Corrado, R. R. (2005). State torture in the contemporary world. *International Journal of Comparative Sociology*, 46(1), 103-131.

**Brief Curriculum Vitae: Raymond R. Corrado, PhD (continued)**

- Corrado, R. R., & Tompkins, E. (1989). A comparative model of the psychological effects on the victims of state and anti-state terrorism. *International Journal of Law & Psychiatry*, 12(4), 281-293.
- Corrado, R. R. (1981). A critique of the mental disorder perspective of terrorism. *International Journal of Law and Psychiatry*, 4(3-4), 293-309.
- Corrado, R.R. (1975). Nationalism and communalism in Wales. *Ethnicity*, 2(4), 57-72.
- Corrado, R. R., & Cohen, I. M. (2017). Optimizing local responses to current and shifting terrorist trends. In T. Anderson, K. Gisbourne and P. Holliday (Eds.), *Every officer is a leader: Coaching leadership, learning and performance in justice, public safety, and security organizations*. Canada: Trafford Publishing.
- Cohen, I. M., & Corrado, R. R. (2003). Spain. *Encyclopedia of world terrorism: 1996-2002*. New York, NY: M.E. Sharpe.
- Cohen, I. M., & Corrado, R. R. (2003). A future for the ETA? In D.K. Das & P. Kratoski (Eds.), *Meeting the challenges of global terrorism: Prevention, control, and recovery* (pp. 271-290). New York, NY: Lexington Books.
- Corrado, R. R., & Cohen, I. M. (1999). State torture. In L. Kurtz (Ed.), *Encyclopedia of violence, peace and conflict* (pp. 519-531). San Diego, CA: Academic Press.
- Corrado, R. R., & Davies, G. (1999). State crime in Canada: Examples, etiology, and response. In J. I. Ross (Ed.), *Protecting democracy: Controlling state crime in advanced industrial countries* (pp. 59-88.). San Diego, CA: Harrow and Heston.
- Corrado, R. R. (1997). Basque nationalist terror: ETA. In M. Crenshaw and J. Pimlott (Eds.), *Encyclopedia of world terrorism, Vol. 3* (pp. 572-576). New York, NY: M.E. Sharpe.
- Corrado, R. R. (1996). Political crime in Canada. In R. Linden (Ed.), *Criminology: A Canadian perspective* (3<sup>rd</sup> ed.) (pp. 459-493). Toronto, ON: Holt, Rinehart & Winston.
- Corrado, R. R. (1992). Political Crime in Canada. In R. Linden (Ed.), *Criminology: A Canadian Perspective* (pp. 419-450). Toronto, ON: Harcourt Brace Jovanovich Canada.
- Corrado, R. R. (1991). Political terrorism and political crime: A Canadian perspective. In M. Jackson & C. Griffiths (Eds.), *Criminology in Canada*. Toronto, ON: Harcourt Brace & Jovanovich.
- Corrado, R. R. (1988). Ethnic and student terrorism in Western Europe. In M. Stohl (Ed.), *The politics of terror: A reader in theory and practice* (3<sup>rd</sup> ed). New York, NY: Dekker Press.
- Corrado, R. R. (1988). A critique of mass mediated theater of terror. In P. Bruck (Ed.), *Terrorism and the media* (pp. 31-39). Ottawa: Carleton University.

**E. Selected Conference Presentations**

- Corrado, R., Doering, S., Richards, P., Knoechelmann, M., Davies, G. (2017, November). *The role of personality dimensions in the motivation for contemporary terrorism*. Paper presented at the Annual Meeting of the American Society of Criminology, Philadelphia, PA.
- Corrado, R. R., Doering, S., Richards, P., Knoechelmann, M., Davies, G. (2017, June). *A DSM-V multi-dimensional personality focused model of terrorism*. Presented at the International Security Preparedness Professional Development Conference, Victoria, British Columbia.
- Corrado, R. R., Davies, G., & Cohen, I (2016, November). *A mental health perspective of contemporary political terrorists: Have motivation profiles changed?* Paper presented at the American Society of Criminology Annual Meeting in New Orleans, Louisiana.

**Brief Curriculum Vitae: Roger P. Warren, PhD**

**A. Education**

Ph.D., University of St Andrews, Scotland, UK (2017)  
M.Litt., University of St Andrews, Scotland, UK (2012)  
HM The Queen's Commission, The Royal Military Academy, Sandhurst, UK (1983)

**B. Employment**

Simon Fraser University (2018-present)  
Visiting Faculty, Terrorism Risk and Security Studies Program, (2019-2020)  
Adjunct Faculty, School of Criminology, (2018-2019)  
  
Office of the Crown Prince of Abu Dhabi, the United Arab Emirates, (2006-2012)  
Senior Military Advisor, Intelligence, Surveillance and Target Acquisition

British Army (1980-2006)  
Senior Military Advisor (Lt Colonel), British Military Mission, Kuwait (2004-2006)  
Arabic Translator & Interrogator (Lt Colonel), Iraq (2003)  
Senior British Army Advisor (Lt Colonel), British Embassy, South Africa (2001-2002)  
Military Commander (Major), Kosovo (1999)  
Military Commander (Major), Bosnia (1997)  
Arabic Translator (Captain), Western Sahara (1991-1992)  
Arabic Translator & Interrogator (Captain), Iraq (1991)  
Military Advisor (Captain), Sultanate of Oman (1987-1989)  
Military Commander (Lieutenant), Belfast, Northern Ireland (1983)

**C. Selected Teaching Experiences**

Graduate Courses  
CRIM 710 (Current Issues in Terrorism)  
CRIM 711 (Radicalization and Recruitment to Terrorism)  
Advanced Certificate in Terrorism Studies, Centre for the Study of Terrorism and Political Violence, University of St Andrews, Scotland, UK.

**D. Selected Grants**

Nil

**E. Selected Publications**

Warren, R.P. (in press). *Terrorist Movements and the Recruitment of Arab Foreign Fighters: A History from 1980s Afghanistan to ISIS*. London: Bloomsbury.  
  
Warren, R. P. (2017). Book Review: Reintegrating Extremists: Deradicalisation and Desistance. London: Palgrave Pivot. *Contemporary Voices: St Andrews Journal of International Relations*, 8(4), pp. 27-29.  
  
Warren, R. P. (2015). Ideological Motivations of Arab Foreign Fighters as Insurgents and Terrorists: From 1980s Afghanistan to the Syrian Insurgency, in S.N. Romaniuk, & S.T. Webb, eds; *Insurgency and Counterinsurgency in Modern War*. London: CRC Press.

**Brief Curriculum Vitae: Roger P. Warren, PhD (continued)**

**F. Selected Addresses and Conference Presentations**

Warren, R. P. (2016, February). *The Differential Radicalisation of Arab Foreign Fighters: A Trajectory towards Islamist Terrorism*. Centre for Military, Security and Strategic Studies Conference, University of Calgary.

Warren, R. P. (2014, February). *The Ideological Motivations of Arab Foreign Fighters and Arab Terrorists: From 1980s Afghanistan to the Current Syrian Conflict*. Centre for Military, Security and Strategic Studies Conference, University of Calgary.

**Appendix 7: Budget for the proposed program (financial and personnel)**

**Resource Requirement**

TRSS requires instructional and administrative resources, all of which are available at or through SFU and were developed for the Pilot Program.

With respect to instructional resources, when it is operating at full capacity in Year 3, each year TRSS will require instructors for 7 courses as well as graduate supervision for 25 students in the MA research project course. As discussed previously (see response to Question 26 above), instruction will be provided by continuing faculty at SFU from various academic units, by new faculty (continuing, visiting, limited term) hired specifically to teach in TRSS, and by sessional instructors hired to teach specific TRSS courses. The new faculty (continuing, visiting, or limited term) hired specifically to teach in TRSS will be responsible for teaching at least two TRSS courses per year and providing research supervision for TRSS 798 and providing administrative support to the program. The new faculty will have extensive work-related experience in the field of national security and public safety, as well as a doctoral degree in a related field.

With respect to administrative resources, TRSS requires funds for Program Director, Program Coordinator, residency, and program operations.

All costs associated with the resources used by TRSS will be borne by the program.

A detailed budget for TRSS has been prepared in consultation with the FASS Dean's Office, including Jane Pulkingham, Dean; Sean Zwagerman, Associate Dean, Graduate and Postdoctoral Studies; and Bonnie Yeung, Director of Finance. It was also reviewed by Jeff Derksen, Dean of Graduate Studies, and Krista Gerlich-Fitzgerald, Associate Director of Graduate Admissions, Records and Registration, Graduate and Postdoctoral Studies. Finally, it was reviewed by Wade Parkhouse, Vice-Provost and Associate Vice-President Academic. As a consequence, we are confident that the detailed budget is robust and TRSS will be a revenue-generating program in FASS.

**Appendix 8: Proposed tuition and other program fees including a justification**

**Program Fees**

**Tuition Fees**

Tuition will be charged on a per-term basis. There are several reasons for this. First, it will help to stabilize tuition fees for students, who otherwise would see large fluctuations in their tuition fees during the three terms they will take 6 units. Second, it will stabilize revenues, which otherwise would also fluctuate. Third, students registered in programs that charge fees on a per-term basis are considered to be full-time by SFU. This has the additional benefit of making international students eligible for student visas. The proposed tuition fees in 2021 for domestic students are \$6,429 per term with annual increases of 2% thereafter; and for international students, \$8,000 per term with annual increases of 4% thereafter.

TRSS will be a premium fee program. The justification for the premium fee is that the specialized nature of the program necessitates extraordinary time and effort related to program instruction and administration.

**Other Program Fees**

There are no additional program fees. Students will be advised in advance (through the TRSS website) that they will be responsible for covering any costs incurred related to attendance at the residency in each of the first two years of their studies in excess of the maximum amount reimbursable by the program.

**Total Program Fees**

The total program fees for domestic students who begin TRSS in Spring 2021 will be \$45,649 for domestic students and \$57,613 for international students.

**Projected Program Surplus**

Based on these tuition fees, the program is expected to generate a small surplus given the costs of delivering the program. A portion of any surplus realized will be directed to a bursary targeted for TRSS students.