



Program Outlines

Post Graduate Diploma in Information Technology Advanced Security Specialist (PGD in ITASS)

Brief Program Description	<i>Post Graduate Diploma in Information Technology Advanced Security Specialist (PGD in ITASS) program is designed, such that students will be prepared to meet the information technology's industry demands. It covers most popular industry platform such as Microsoft Operating Systems, Linux Operating Systems, Mail Administration, Security policies, procedures, and technical implementation of security standards, Forensic inspection, ethical hacking and penetration testing etc.</i>
Career Opportunities	<i>Upon successful completion of the program students will be able to secure an entry level job in Computer networking field. Job title may include Information Systems Security Professional, Systems Operations Analyst, LAN Manager, Network Administrator, Network Engineer, Network Security Architect, Network Analyst, Computer and Network Operator, Mail Administrator, System Analyst, Network Forensic Inspector, Security Administrator, Network technician, Lab Manger etc.</i>
Admission Requirements	<ul style="list-style-type: none"><i>Minimum Bachelors Degree in Computer Science or related fields (in case of Bachelor degree in unrelated field, minimum 1 year experience in related field is required) or Equivalent Canadian qualification OR minimum 3 years relevant experience.</i><i>Students from Non English speaking countries/territories will have to demonstrate their English proficiency at minimum IELTS Band level 6.0 OR equivalent (In case of other testing standards). If there is no proof of English proficiency or lower English proficiency level, students will have to take an English course at Focus College.</i>
Required Textbooks	<i>Various Text/reference books are supplied. Please see course outline forms for individual course books.</i>
Equipment required for this Program	<i>Trial Operating Systems, FOSS, Computer and Computer Network</i>
Other Materials	<i>N/A</i>
Program Duration	<i>Two years – 8 Quarters / 2112 hours</i>





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Homework Hours	<i>An approximate of 10-15 hrs/week is required from students to be successful in this fast paced and intensive program.</i>
Delivery Methods	<input checked="" type="checkbox"/> <i>On-site delivery.</i> <input type="checkbox"/> <i>Distance delivery.</i> <input type="checkbox"/> <i>Combined delivery (on-site and distance.)</i>
Instructional Methods	<i>PGD in ITASS program will make use of multiple delivery methods, there will be a mix of Classroom (Instructor Led), Computer Based Training, Distance Education etc.</i>
Learning Objectives/Outcomes	<p>Upon completion of this program the successful student will have reliably demonstrated the ability to:</p> <p><i>Act as an information technology specialist, design, implement maintain and support the network infrastructure of the organization.</i></p> <p><i>Please see (attached) individual course outline for detailed learning outcomes.</i></p> <p><i>e.g. At the end of this program you will be able to design, implement, maintain and manage the network setup for a small to medium size organization.</i></p>
Student Progress/ Assessment Methods	<i>Throughout the PGD in ITASS program there are number of technical/implementation projects, students are required to go through in order to be successful. There are Quizzes, Assignments and exams throughout the program.</i>
Attendance Expectations	<i>Students are required to attend on average 24 hrs. per week in-class or in-lab environment for the duration of two years.</i>
Graduation Requirements	<i>Students must achieve 60% in all courses throughout the program in order to graduate.</i>

Program Organization

PGD in ITASS - Post Graduate Diploma in Information Technology Advanced Security Specialist program has eight quarters, where each quarter length is 11 weeks. As an average every quarter has 264 instructional hours.



Phone: 250-861-5808 (Kelowna); 778-624-2010 (Surrey)

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Quarter 1	Hours	Weeks
ITASS101 Networking and Hardware Fundamentals	54	2.25
ITASS102 Desktop Support & Infrastructure Implementation	72	3
ITASS103 Windows Server Configuration	72	3
ITASS104 Professional Skills (Level-1)	24	1
ITASS100 Quarter End Project	42	1.75
Total	264.00	11

Quarter 2	Hours	Weeks
ITASS201 Scripting Fundamentals	72	3
ITASS202 Windows Server Administration	72	3
ITASS203 Advanced Network Administration	54	2.25
ITASS200 Quarter End Project	66	2.75
Total	264.00	11

Quarter 3	Hours	Weeks
ITASS301 Designing and Implementing a Server Infrastructure	72	3
ITASS302 Enterprise Administration using Windows Server Infrastructure	72	3
ITASS303 Advanced Scripting & Network Administration	54	2.25
ITASS304 Professional Skills Level-2	24	1
ITASS300 Quarter End Project	42	1.75
Total	264.00	11

Quarter 4	Hours	Weeks
ITASS401 Mail Systems and Business Collaboration	72	3
ITASS402 ITIL Foundation	54	2.25
ITASS403 Installing and Configuring Linux Operating Systems	72	3
ITASS404 Professional Skills	24	1
ITASS400 Quarter End Project	42	1.75
Total	264.00	11

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Quarter 5	Hours	Weeks
ITASS501 Advanced Routing & Switching using Cisco Hardware	72	3
ITASS502 Project Management	54	2.25
ITASS503 Virtualization & Cloud Computing	72	3
ITASS500 Quarter End Project	66	2.75
Total	264.00	11

Quarter 6	Hours	Weeks
ITASS601 Advance Linux Administration	72	3
ITASS602 Business Communication	54	2.25
ITASS603 Network Security Industry Standards	72	3
ITASS600 Quarter End Project	66	2.75
Total	264.00	11

Quarter 7	Hours	Weeks
ITASS701 Corporate Hybrid Networking using Linux and Windows	72	3
ITASS702 Perimeter Network Defence	54	2.25
ITASS703 Enterprise Administration Project	72	3
ITASS700 Quarter End Project	66	2.75
Total	264.00	11

Quarter 8	Hours	Weeks
ITASS801 Cryptology and modern Network Security	72	3
ITASS802 Incident Response and Forensic Inspection	54	2.25
ITASS803 Ethical Hacking and Penetration Testing	72	3
ITASS800 Quarter End Project	66	2.75
Total	264.00	11

Grand Total Hours

2112.00

Average Hours per Quarter

264.00



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Courses Delivery Breakdown in Hours:

Course	Lectures	Interactive Discussions	Videos	Group work/Project	Hands on Practice	Total
ITASS101	5.4	10.8	-	37.8	-	54
ITASS102	3.6	10.8	-	57.6	-	72
ITASS103	7.2	14.4	-	50.4	-	72
ITASS104	15.6	8.4	-	-	-	24
ITASS100	-	8.4	-	33.6	-	42
ITASS201	28.8	14.4	-	28.8	-	72
ITASS202	14.4	21.6	-	36	-	72
ITASS203	10.8	16.2	-	27	-	54
ITASS200	-	13.2	-	52.8	-	66
ITASS301	14.4	21.6	-	36	-	72
ITASS302	14.4	21.6	-	36	-	72
ITASS303	16.2	16.2	-	21.6	-	54
ITASS304	15.6	8.4	-	-	-	24
ITASS300	-	8.4	-	33.6	-	42
ITASS401	14.4	21.6	-	36	-	72
ITASS402	10.8	16.2	-	27	-	54
ITASS403	14.4	21.6	-	36	-	72
ITASS404	15.6	8.4	-	-	-	24
ITASS400	-	8.4	-	33.6	-	42
ITASS501	14.4	21.6	-	36	-	72
ITASS502	10.8	16.2	-	27	-	54
ITASS503	14.4	21.6	-	36	-	72
ITASS500	-	13.2	-	52.8	-	66
ITASS601	14.4	21.6	-	36	-	72
ITASS602	43.2	10.8	-	-	-	54
ITASS603	50.4	21.6	-	-	-	72
ITASS600	-	13.2	-	52.8	-	66
ITASS701	14.4	21.6	-	36	-	72





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ITASS702	10.8	16.2	-	27	-	54
ITASS703	14.4	21.6	-	36	-	72
ITASS700	-	13.2	-	52.8	-	66
ITASS801	14.4	21.6	-	36	-	72
ITASS802	10.8	16.2	-	27	-	54
ITASS803	14.4	21.6	-	36	-	72
ITASS800	-	13.2	-	52.8	-	66
Total Hours	428.4	555.6	-	1128	-	2112



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