

IT Diploma Courses – 2020/21 – Last Updated: January 4th, 2021

Diploma	Year 1 - Semester 1 (Fall)						Year 1 - Semester 2 (Winter)						
Web Programming Dean Tsaltas	COMM 1700 (30) Professional Practices for IT I Marc Scarfone	NETW 1700 (60) Intro to Networking & Security Chris Mogensen	DBAS 1007 (60) Data Fundamentals Ronan O'Driscoll	PROG 1700 (90) Logic & Programming I Dean Tsaltas	OSYS 1200 (60) Intro to Windows Administration Alfred Parks	WEBD 1000 (60) Website Development Michael Crocker	COMM 2700 (30) Professional Practices for IT II <i>Prerequisites</i> COMM 1700 Marc Scarfone	OSYS 1000 (60) Operating Systems – Unix Michael Crocker	PROG 1400 (60) Intro to Object Oriented Programming <i>Prerequisites</i> PROG 1700 Dean Tsaltas	SAAD 1001 (60) Intro to Systems Analysis & Design <i>Prerequisites</i> PROG 1700 David Russell	OSYS 2040 (60) Web Server Fundamentals <i>Corequisites</i> OSYS 1000 Marie Dutka	PROG 2700 (60) Client-Side Programming <i>Prerequisites</i> WEBD 1000, PROG 1700 Michael Caines	APPD 1001 (30) User Interface Design & Development Nick Muise
Programming (Section 1) Geoff Gillespie	COMM 1700 (30) Professional Practices for IT I Marc Scarfone	NETW 1700 (60) Intro to Networking & Security Chris Mogensen	DBAS 1007 (60) Data Fundamentals Geoff Gillespie	PROG 1700 (90) Logic & Programming I Geoff Gillespie	OSYS 1200 (60) Intro to Windows Administration Marie Dutka	WEBD 1000 (60) Website Development Michael Crocker	COMM 2700 (30) Professional Practices for IT II <i>Prerequisites</i> COMM 1700 Marc Scarfone	OSYS 1000 (60) Operating Systems – Unix Todd Verge	PROG 1400 (60) Intro to Object Oriented Programming <i>Prerequisites</i> PROG 1700 Nick Muise	SAAD 1001 (60) Intro to Systems Analysis & Design <i>Prerequisites</i> PROG 1700 David Russell	Directed Elective DBAS 4002 (60) Transactional Database Programming <i>Prerequisites</i> PROG 1700, DBAS 1007 Geoff Gillespie	PROG 2007 (60) Programming II <i>Prerequisites</i> PROG 1700 Brian Shewan	APPD 1001 (30) User Interface Design & Development Nick Muise
Programming (Section 2) Michael Crocker	COMM 1700 (30) Professional Practices for IT I Marc Scarfone	NETW 1700 (60) Intro to Networking & Security Chris Mogensen	DBAS 1007 (60) Data Fundamentals Geoff Gillespie	PROG 1700 (90) Logic & Programming I Geoff Gillespie	OSYS 1200 (60) Intro to Windows Administration Pete Hinton	WEBD 1000 (60) Website Development Michael Crocker	COMM 2700 (30) Professional Practices for IT II <i>Prerequisites</i> COMM 1700 Marc Scarfone	OSYS 1000 (60) Operating Systems – Unix Todd Verge	PROG 1400 (60) Intro to Object Oriented Programming <i>Prerequisites</i> PROG 1700 Yousef Abu Baker	SAAD 1001 (60) Intro to Systems Analysis & Design <i>Prerequisites</i> PROG 1700 David Russell	Directed Elective DBAS 4002 (60) Transactional Database Programming <i>Prerequisites</i> PROG 1700, DBAS 1007 Geoff Gillespie	PROG 2007 (60) Programming II <i>Prerequisites</i> PROG 1700 Hal O'Connell	APPD 1001 (30) User Interface Design & Development Nick Muise
Systems Mgmt. & Security Chris Mogensen	COMM 1700 (30) Professional Practices for IT I Marc Scarfone	NETW 1700 (60) Intro to Networking & Security Chris Mogensen	DBAS 1007 (60) Data Fundamentals Ronan O'Driscoll	PROG 1700 (90) Logic & Programming I Brian Shewan	OSYS 1200 (60) Intro to Windows Administration Marie Dutka	HDWR 1700 (60) Intro to Hardware & Security Todd Verge	COMM 2700 (30) Professional Practices for IT II <i>Prerequisites</i> COMM 1700 Marc Scarfone	OSYS 1000 (60) Operating Systems – Unix Todd Verge	NETW 2710 (60) Intro to Cloud Computing & Server Virtualization <i>Prerequisites</i> OSYS 1200, NETW 1700 Chris Mogensen	NETW 2700 (90) Network Infrastructure <i>Prerequisites</i> NETW 1700 Chris Mogensen	NETW 1500 (90) Intro to NOS Administration <i>Prerequisites</i> OSYS 1200 Marie Dutka	ISEC 2700 (60) Intro to Information Security Practices Ron MacLeod	
Data Analytics Bill Cunningham	COMM 1700 (30) Professional Practices for IT I Marc Scarfone	NETW 1700 (60) Intro to Networking & Security Pete Hinton	DBAS 1007 (60) Data Fundamentals Bill Cunningham	PROG 1700 (90) Logic & Programming I Michael Crocker	OSYS 1700 (60) Intro to Hardware & Operating Systems Todd Verge	DBAS 2104 (60) Business Analysis Essentials Bill Cunningham	COMM 2700 (30) Professional Practices for IT II <i>Prerequisites</i> COMM 1700 Marc Scarfone	OSYS 1000 (60) Operating Systems – Unix Michael Crocker	PROG 1400 (60) Intro to Object Oriented Programming <i>Prerequisites</i> PROG 1700 Yousef Abu Baker	DBAS 3075 (60) Intro to Statistical Learning George Campanis	DBAS 4002 (60) Transactional Database Programming <i>Prerequisites</i> PROG 1700, DBAS 1007 George Campanis	WEBD 1000 (60) Website Development Yousef Abu Baker	INFT 2007 (60) Applied Semester Project I <i>Prerequisites</i> COMPLETION OF ALL 1 st SEMESTER COURSES Bill Cunningham
Database Admin George Campanis	COMM 1700 (30) Professional Practices for IT I Marc Scarfone	NETW 1700 (60) Intro to Networking & Security Chris Mogensen	DBAS 1007 (60) Data Fundamentals George Campanis	PROG 1700 (90) Logic & Programming I Brian Shewan	OSYS 1700 (60) Intro to Hardware & Operating Systems Todd Verge	DBAS 2104 (60) Business Analysis Essentials Emma Street	COMM 2700 (30) Professional Practices for IT II <i>Prerequisites</i> COMM 1700 Marc Scarfone	OSYS 1000 (60) Operating Systems – Unix Paul Street	PROG 1400 (60) Intro to Object Oriented Programming <i>Prerequisites</i> PROG 1700 Brian Shewan	NETW 1300 (60) Small Business Infrastructure Chris Mogensen	DBAS 4002 (60) Transactional Database Programming <i>Prerequisites</i> PROG 1700, DBAS 1007 George Campanis	WEBD 1000 (60) Website Development Yousef Abu Baker	INFT 2007 (60) Applied Semester Project I <i>Prerequisites</i> COMPLETION OF ALL 1 st SEMESTER COURSES Melodie Joy
Cyber Security Paul Street	COMM 1700 (30) Professional Practices for IT I Marc Scarfone	NETW 1015 (90) Network Security Pete Hinton	DBAS 1020 (60) Data Security Paul Street	PROG 1015 (90) Programming for Security Dean Tsaltas	OSYS 1020 (60) Operating Systems Security Paul Street	ISEC 1005 (60) Cyber Crime Survey Ron McLeod	COMM 2700 (30) Professional Practices for IT II <i>Prerequisites</i> COMM 1700 Marc Scarfone	OSYS 2022 (60) Linux Scripting <i>Prerequisites</i> OSYS 1020 Pete Hinton	ISEC 2022 (90) Firewalls, VPNs, IPS, and Endpoints <i>Prerequisites</i> NETW 1015 Ron McLeod	PROG 2022 (90) Server Exploits <i>Prerequisites</i> PROG 1015 DBAS 1020 Paul Street	OSYS 2020 (60) Windows Security <i>Prerequisites</i> OSYS 1020 Paul Street	ISEC 2025 (90) Vulnerabilities and Exploits <i>Prerequisites</i> OSYS 1020, NETW 1015 PROG 1015, ISEC 1005 Pete Hinton	
Business Intelligence Analytics Patrick Dolinger		ISEC 3050 (60) Ethics and Law in Data Analytics Ron McLeod	DBAS 4075 (60) Intro to Business Intelligence Patrick Dolinger	DBAS 2010 (60) Database Design II Patrick Dolinger	INFT 4001 (90) Special Topics II Patrick Dolinger	DBAS 2101 (90) Data Reporting Patrick Dolinger		DBAS 2103 (90) Data Provisioning with ETL Patrick Dolinger	DBAS 3090 (90) Applied Data Analytics <i>Prerequisites</i> DBAS 3017, DBAS 3018, DBAS 3019 Patrick Dolinger	DBAS 3075 (60) Intro to Statistical Learning George Campanis	INFT 3000 (60) Capstone <i>Prerequisites</i> COMPLETION OF ALL CORE COURSES Patrick Dolinger	DBAS 2104 (60) Business Analysis Essentials TBD	
Embedded Systems Programming Todd Verge	OSYS 3012 (60) Embedded Operating Systems Dean Tsaltas	PROG 3012 (60) IoT Programming with JavaScript Ronan O'Driscoll	PROG 3011 (60) Embedded C Brian Shewan	ELEC 3010 (60) Embedded Controllers I Todd Verge	ELEC 3000 (60) Practical Electronics I Brian Shewan	INFT 3010 (60) Capstone Project I Todd Verge		ISEC 3010 (60) IoT Security <i>Prerequisites</i> Apparently not Chris Mogensen	NETW 3012 (60) Cloud Services <i>Prerequisites</i> Apparently not Michael Caines	MOBI 3000 (60) Mobile Development <i>Prerequisites</i> Apparently not Nick Muise	ELEC 3020 (60) Embedded Controllers II <i>Prerequisites</i> Apparently not Todd Verge	ELEC 3011 (60) Practical Electronics II <i>Prerequisites</i> Apparently not Brian Shewan	INFT 3020 (60) Capstone Project II <i>Prerequisites</i> Apparently not Todd Verge

Diploma	Year 2 - Semester 1 (Fall)							Year 2 - Semester 2 (Winter)						
Web Programming Michael Caines	COMM 3700 (30) Professional Practices for IT III Prerequisites COMM 2700 Melodie Joy	INFT 2100 (60) Project Management Emma Street	WEBD 3100 (60) Web Design Fundamentals Prerequisites WEBD 1000 Nick Muise	INET 2005 (90) Web Application Programming I Prerequisites PROG 1400 DBAS 1007 WEBD 1000 Michael Caines	PROG 3017 (60) Full Stack Programming Prerequisites PROG 1400 PROG 2700 DBAS 1007 Michael Caines	Directed Elective INFT 4000 (60) Special Topics I Prerequisites COMPLETION OF CORE COURSES David Russell		COMM 4700 (30) Professional Practices for IT IV Prerequisites COMM 3700 Melodie Joy	INFT 3000 (60) Capstone Prerequisites COMPLETION OF ALL CORE COURSES Dean Tsaltas	WEBD 3000 (90) Web Application Programming II Prerequisites INET 2005 Michael Caines	WEBD 3027 (60) Developing for Content Management Systems Prerequisites INET 2005 Michael Caines	Directed Elective ISEC 2055 (60) Web Application Security Prerequisites INET 2005 PROG 2700 Dean Tsaltas	Directed Elective INFT 4001 (60) Special Topics II Prerequisites COMPLETION OF CORE COURSES Michael Crocker	
Programming (Section 1) David Russell	COMM 3700 (30) Professional Practices for IT III Prerequisites COMM 2700 Melodie Joy	INFT 2100 (60) Project Management Bill Cunningham	PROG 2200 (60) Advanced Object-Oriented Programming Prerequisites PROG 1400 SAAD 1001 Ronan O’Driscoll	INET 2005 (90) Web Application Programming I Prerequisites PROG 1400 DBAS 1007 WEBD 1000 Michael Caines	PROG 2100 (60) Programming C++ Prerequisites PROG 1400 SAAD 1001 David Russell	MOBI 3002 (60) Mobile App Development - Android Prerequisites PROG 1400 David Russell		COMM 4700 (30) Professional Practices for IT IV Prerequisites COMM 3700 Melodie Joy	INFT 3000 (60) Capstone Prerequisites COMPLETION OF ALL CORE COURSES David Russell	PROG 2400 (90) Data Structures Prerequisites PROG 2100 Brian Shewan	PROG 2500 (60) Windows Programming C# Prerequisites PROG 1400 SAAD 1001 Yousef Abu Baker	Directed Elective PROG 2700 (60) Client-Side Programming Prerequisites PROG 1700 WEBD 1000 Ronan O’Driscoll	Directed Elective INFT 4001 (60) Special Topics II (Development Process Controls) Prerequisites COMPLETION OF CORE COURSES Ronan O’Driscoll	
Programming (Section 2) Yousef Abu Baker	COMM 3700 (30) Professional Practices for IT III Prerequisites COMM 2700 Melodie Joy	INFT 2100 (60) Project Management Emma Street	PROG 2200 (60) Advanced Object-Oriented Programming Prerequisites PROG 1400 DBAS 1007 SAAD 1001 Ronan O’Driscoll	INET 2005 (90) Web Application Programming I Prerequisites PROG 1400 DBAS 1007 WEBD 1000 Michael Caines	PROG 2100 (60) Programming C++ Prerequisites PROG 1400 SAAD 1001 David Russell	MOBI 3002 (60) Mobile App Development - Android Prerequisites PROG 1400 David Russell		COMM 4700 (30) Professional Practices for IT IV Prerequisites COMM 3700 Melodie Joy	INFT 3000 (60) Capstone Prerequisites COMPLETION OF ALL CORE COURSES Yousef Abu Baker	PROG 2400 (90) Data Structures Prerequisites PROG 2100 Brian Shewan	PROG 2500 (60) Windows Programming C# Prerequisites PROG 1400 SAAD 1001 Yousef Abu Baker	Directed Elective PROG 2700 (60) Client-Side Programming Prerequisites PROG 1700 WEBD 1000 Ronan O’Driscoll	Directed Elective INFT 4001 (60) Special Topics II (Development Process Controls) Prerequisites COMPLETION OF CORE COURSES Ronan O’Driscoll	
Systems Management & Security Marie Dutka	COMM 3700 (30) Professional Practices for IT III Prerequisites COMM 2700 Melodie Joy	ICOM 1325 (30) Project Management for IT Prerequisites COMM 2700 Emma Street	NETW 2500 (60) NOS Administration II Prerequisites NETW 1500 Marie Dutka	OSYS 3030 (60) Network Services using Linux Prerequisites OSYS 1000 Paul Street	NETW 3700 (60) Hierarchical Network Infrastructure Prerequisites NETW 2700 Chris Mogensen	SAAD 1002 (60) Intro to Systems Analysis and Design - ISM Prerequisites NETW 1700 Marie Dutka	ISEC 3700 (60) Intro to Security Analysis & Implementation Prerequisites NETW 1700 ISEC 2700 Marie Dutka	COMM 4700 (30) Professional Practices for IT IV Prerequisites COMM 3700 Melodie Joy	INFT 3000 (60) Capstone Prerequisites COMPLETION OF ALL CORE COURSES Marie Dutka	ISEC 3800 (60) Advanced Security Implementation and Analysis Prerequisites ISEC 3700 Marie Dutka	CSTN 4015 (60) Help Desk and Customer Support Pete Hinton	NETW 3500 (60) Enterprise Management and Automation Prerequisites NETW 1500 Marie Dutka	ICOM 3010 (60) Self-Directed Study Prerequisites COMPLETION OF YEAR 1 COURSES Emma Street	INFT 3075 (60) Emerging Technologies Marie Dutka
Data Analytics Bill Cunningham	COMM 3700 (30) Professional Practices for IT III Prerequisites COMM 2700 Melodie Joy	ISEC 3050 (60) Ethics and Law in Data Analytics Ron McLeod	DBAS 3018 (90) Data Movement and Integration Prerequisites DBAS 4002 Bill Cunningham	INET 3700 (60) Server Operating Systems and Scripting Prerequisites OSYS 1700, NETW 1700 PROG 1700, OSYS 1000 George Campanis	DBAS 3019 (60) Business Data Modeling Prerequisites DBAS 2104 DBAS 1007 Bill Cunningham	DBAS 3017 (60) User Experience Techniques for Data Prerequisites DBAS 2104, PROG 1400 DBAS 4002, WEBD 1000 George Campanis		COMM 4700 (30) Professional Practices for IT IV Prerequisites COMM 3700 Melodie Joy	INFT 3000 (60) Capstone Prerequisites COMPLETION OF ALL CORE COURSES Bill Cunningham	DBAS 3090 (90) Applied Data Analytics Prerequisites DBAS 3017 DBAS 3018 DBAS 3019 Bill Cunningham	DBAS 3085 (60) Data Security Prerequisites DBAS 4002 OSYS 1700 NETW 1700 Paul Street	PROG 2700 (60) Client-Side Programming Prerequisites WEBD 1000 PROG 1700 Michael Crocker	MOBI 3002 (60) Mobile App Development - Android Prerequisites PROG 1400 David Russell	
Database Administration George Campanis	COMM 3700 (30) Professional Practices for IT III Prerequisites COMM 2700 Melodie Joy	ISEC 3050 (60) Ethics and Law in Data Analytics Ron McLeod	OSYS 3017 (90) Database Server Management in Linux Prerequisites DBAS 4002, OSYS 1000 NETW 1700 Corequisites INET 3700 George Campanis	INET 3700 (60) Server Operating Systems and Scripting Prerequisites OSYS 1700, NETW 1700 PROG 1700, OSYS 1000 George Campanis	DBAS 3085 (60) Data Security Prerequisites DBAS 4002 OSYS 1700 NETW 1700 Bill Cunningham	DBAS 3021 (60) Metadata Management Prerequisites DBAS 1007 DBAS 4002 Emma Street		COMM 4700 (30) Professional Practices for IT IV Prerequisites COMM 3700 Melodie Joy	INFT 3000 (60) Capstone Prerequisites COMPLETION OF ALL CORE COURSES Geoff Gillespie	DBAS 3018 (90) Data Movement and Integration Prerequisites DBAS 4002 Bill Cunningham	DBAS 3035 (60) Information Systems Design Prerequisites PROG 1400 George Campanis	DBAS 3080 (60) Database Backup and Recovery Prerequisites OSYS 3017 Emma Street	DBAS 3025 (60) Information Governance Prerequisites ISEC 3050 DBAS 2104 DBAS 3085 Emma Street	
Cyber Security Ron McLeod	COMM 3700 (30) Professional Practices for IT III Prerequisites COMM 2700 Melodie Joy	ISEC 2076 (60) Security Mechanisms Ron McLeod	ISEC 2077 (60) Security Auditing and Control Systems Prerequisites OSYS 2020, NETW 1015 Paul Street	ISEC 2078 (60) Wireless and Mobile Device Security Paul Street	ISEC 2079 (90) Evolving Technologies and Threats Pete Hinton	WEBD 2075 (60) Web Security Prerequisites PROG 2022 Dean Tsaltas		COMM 4700 (30) Professional Practices for IT IV Prerequisites COMM 3700 Melodie Joy	INFT 3000 (60) Capstone Prerequisites COMPLETION OF ALL CORE COURSES Ron McLeod	ISEC 3077 (90) Attack Vectors and Techniques Prerequisites WEBD 2075 Ron McLeod	ISEC 3078 (60) Incidence Handling and Response Paul Street	ISEC 3079 (60) Penetration Testing Pete Hinton	ISEC 3080 (60) Enterprise Security Prerequisites OSYS 2020 NETW 1015 Paul Street	

* Note: All Directed Elective Courses are subject to change depending on available faculty and classroom resources