

Continuing /Community Education Credit and Non-Credit

Continuing / Community Education offers a wide variety of credit and non-credit courses as well as customized training to prepare you for career advancement, career change, or personal growth. Classes are offered evenings, weekends and online.

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AIA-CES

Renton Technical College has joined the ATC Passport Program for AIA-CES. If you are a registered architect you can now earn Learning Units with these courses. Courses include lecture and hands-on lab sessions. Learn the fundamentals of Autodesk software and how it can make your design office more productive. Note: these courses are non HSW LUs. Textbook cost additional.

AUTOCAD 2012 ESSENTIALS

AutoCAD 2012 is the latest version of AutoCAD software. Its features benefit all areas of professional design, precision drawing and drafting. This course provides information on how to get started using AutoCAD 2012 professionally, with the most essential features. (Note for architects: program number LS2008).

DFTS 134 L426	1 credit	Fee: \$265	J204
4/14-4/28	8:00AM- 4:30PM	Sat	KATONA

REVIT ARCHITECTURE ESSENTIALS

This course is designed for new users of Revit Architecture. The course covers the basics of Autodesk Revit Building, from building design through construction documentation. Students are introduced to the concepts of Building Information Modeling and the tools for parametric design and documentation. In the hands-on lab sessions, students use the parametric 3D design tools of Revit to design projects and use the automated tools for documenting projects. No previous CAD experience is necessary. However, architectural design, drafting or engineering experience is highly recommended. It is also recommended that you have a working knowledge of Microsoft Windows (XP, 2000 or NT 4.0). (Note for architects: program number LRA011, 24 LU hrs, non HSW).

DFTS 136 L442	1 credit	Fee: \$265	J315
4/28-5/12	8:00AM- 4:30PM	Sat	LEPESKA

REVIT ARCHITECTURE ADVANCED

This course builds upon the Revit Architecture Essentials class and students learn advanced techniques for creating complex designs and professional looking renderings, creating and customizing objects, and collaborating on designs with other team members using Autodesk Architecture. Other topics include phasing and design options, running interface checks, and ODBC database export. Prerequisite: DFTS 136 or instructor permission. (Note for architects: program number MRA011, 24 LU hrs, non HSW).

DFTS 137 L444	1 credit	Fee: \$265	J315
6/2-6/16	8:00AM- 4:30PM	Sat	LEPESKA

AUTOCAD CREATING 3D MODELS

In this course students learn the tools and techniques for creating and editing 3D models with AutoCAD. Topics covered include creating solid primitives, creating models from 2D profiles, editing solid models, and creating drawings from 3D models. (Note for architects: program number 3D2008, 16 LU hrs, non HSW).

DFTS 138 L446	1 credit	Fee: \$117	J304
5/5-5/12	8:00AM- 4:30PM	Sat	MONTGOMERY

AUTOCAD CONCEPTUAL DESIGN

This course teaches students the tools and techniques for creating conceptual designs using AutoCAD. The student learn how to mass shapes with 3D solids, integrating raster images with solid models, visual styles, and how to export and distribute conceptual designs. (Note for architects: program number 01102D, 6 LU hrs, non HSW).

DFTS 139 L448	1 credit	Fee: \$117	J204
4/21	8:00AM- 4:30PM	Sat	LEPESKA

REVIT ARCHITECTURE BIM MANAGEMENT

Building Information Modeling (BIM) is an approach to the entire building life cycle. Revit Architecture is a powerful BIM program that supports the ability to coordinate, update, and share design data with team members throughout the design, construction, and management phases of a building's life. The objective of the Revit Architecture BIM Management course is to enable students who have worked with Revit to expand their knowledge in setting up office standards with templates that include annotation styles, preset views, sheets, and schedules, as well as creating custom element types and families. (Note for Architects: Program number BRA 011, 16 LU hours, non HSW).

DFTS 141 L430	1 credit	Fee: \$117	J315
4/23-5/14	5:30PM-9:30PM	M	LEPESKA

REVIT ARCHITECTURE COLLABORATION TOOLS

Revit Architecture is a Building Information Modeling (BIM) tool, which can be used by more than one person working on a new project. The objective of the Revit Architecture collaboration Tools course is to enable students who have a basic knowledge of Revit to increase their productivity while working with other people on a team, either in the same firm or with other firms, and use Revit files or other CAD files.

DFTS 142 L432	1 credit	Fee: \$117	J315
6/4-6/13	5:30PM-9:30PM	M	LEPESKA

ALLIED HEALTH

HEALTHCARE PROVIDER CPR/RENEWAL

Covers one and two person, adult, child and infant CPR. Practice caring for person with foreign body airway obstruction (FBAO), pocket mask, bag valve mask, personal barriers techniques and use of Automated External Defibrillator (AED). Upon completion of written exam and skills evaluations AHA card issued.

HCPCS 101 F102	1 credit	Fee: \$30	B204
4/7	8:00AM-2:30PM	Sat	KURLE

HCPCS 101 F103	1 credit	Fee: \$30	B204
5/5	8:00AM-2:30PM	Sat	BERRYSMITH

HCPCS 101 F101	1 credit	Fee: \$30	B204
6/2	8:00AM-2:30PM	Sat	BERRYSMITH

HEALTHCARE PROVIDER FIRST AID/CPR & AED

Covers one and two person, adult, child and infant CPR. Students practice caring for person with foreign body airway obstruction (FBAO), pocket mask, bag valve mask, personal barriers techniques and use of Automated External Defibrillator (AED). The course teaches to effectively recognize and treat in critical minutes until Emergency Medical Services (EMS) arrive. Topics includes general first aid principles, medical emergencies, injury, emergencies, environmental emergencies, bloodborne pathogens. This course is approved by OSHA, WISHA (Labor and Industries) for healthcare providers: physicians, nurses, physical therapists, dental office and assisted living providers. An AHA card will be issued upon the successful completion of a written exam and skills evaluation.

HCPCS 102 F104	2 credits	Fee: \$40	B204
4/14- 4/21	8:00AM-4:30PM	Sat	KURLE

HCPCS 102 F105	2 credits	Fee: \$40	B204
5/12-5/19	8:00AM-4:30PM	Sat	KURLE

HCPCS 102 F106	2 credits	Fee: \$40	B204
6/9 - 6/16	8:00AM-4:30PM	Sat	KURLE

MEDICAL TERMINOLOGY

Introduction to word origin and medical terminology relating to body structure, cells and organs, disease, surgery, diagnosis, and treatment. Also includes introduction to basic anatomy. Purchase class materials in RTC Bookstore prior to first class.

HLTH 105 H102	3 credits		H101 A
4/2-6/25	8:00AM-11:00AM	M	STAFF



MEDICAL TERMINOLOGY

Introduction to word origin and medical terminology relating to body structure, cells and organs, disease, surgery, diagnosis and treatment. Also includes introduction to basic anatomy. Students must purchase book and the bundled course cartridge from the RTC Bookstore prior to first class. (Buying the textbook from an outside source will not allow you to access the online course content!). Additional Online Description: Ability to access the Internet and basic email. Access to Microsoft Office or equivalent or ability to download software with instructions. All classes meet online at www.RTC.edu/Programs/OnlineCourses/. Enroll at least one week prior to start of class.

MAPS 103 W404	5 credits		ONLINE
📅 4/2-6/28	ARR	ARR	SHARPE
PROCTORED FINALS DATE TBD			
MAPS 103 W406	5 credits		ONLINE
📅 4/2-6/28	ARR	ARR	GRACIE
PROCTORED FINALS DATE TBD			

AUTOCAD

RTC is a Premier Authorized Training Center for Autodesk, Inc.

AUTOCAD-LEVEL I

An introductory class to AutoCAD that equips the user to use AutoCAD on a basic level. The students learn the basic principles of the user interface, drawing setup procedures, function keys, basic 2D drawing creation commands, file management commands, layers, inquiring about drawing information, introduction to block creation, hatching, introduction to dimensioning techniques, object snaps, commands for object viewing, basic editing techniques, and text annotations.

DFTS 114 L404	3 credits		J204
4/10-5/15	5:30PM-9:30PM	TTh	LEPESKA
DFTS 114 L402	3 credits		J304
5/14-6/18	5:30PM-9:30PM	MW	MONTGOMERY

AUTOCAD-LEVEL II

A second level AutoCAD course that takes the user into intermediate AutoCAD functions and concepts. Topics covered include: CAD standards, creating and editing Blocks, Attributes, Dimensioning concepts, Paper Space, Model Space, Layouts, External References, Design Center, Geometric calculator, Properties Windows, Options Dialog Box, Grips, basic plotting techniques in model space and paper space layouts, and plot style tables. Prerequisite: DFTS 114 or instructor permission.

DFTS 116 L406	3 credits		J304
4/9-5/9	5:30PM-9:30PM	MW	MONTGOMERY
DFTS 116 L408	3 credits		J204
5/17-6/19	5:30PM-9:30PM	TTh	LEPESKA

AUTOCAD-LEVEL I & II

Students are introduced to the basics of engineering drafting and AutoCAD. Basic drawing commands, editing, dimensioning, and plotting are covered in this course. Requires a computer with a current version of AutoCAD. Class meets online at www.waol.org.

DFTS 113 W664	6 credits		ONLINE
📅 3/29-6/6	ARR	ARR	LEPESKA

AUTOCAD-LEVEL III

Customize AutoCAD to improve and optimize your system for peak performance as a designer or drafter. Learn to simplify keyboard input, write macros and simple LISP routines, and create template files. Learn to customize menus and AutoCAD functions for increased productivity, and importing and exporting other files. Text, notebook, and disk required Prerequisites: DFTS 116 or equivalent experience.

DFTS 118 W634	3 credits		ONLINE
📅 5/14-6/18	ARR	ARR	LEPESKA

SKETCHUP BASICS

SketchUp is a 3D software tool that is very helpful in the initial stages of architectural (or interior) design. Using a very intuitive set of commands, you can visualize shapes and volumes in the computer. This course introduces the student to the commands and features of the SketchUp software and how they apply in the architectural or interior design fields.

DFTS 135 L428	1 credit	Fee: \$117	J304
5/15-5/24	5:30PM-9:30PM	TTh	DELANO

TRANSITION FROM LAND DESKTOP TO CIVIL 3D

This course assists students in the transition from AutoCAD Land Desktop (LDD) to AutoCAD Civil 3D software. The students learn how the commands and terminology have changed, and how to use Civil 3D to accomplish the same tasks they did in LDD. Concepts covered include: LDD vs. Civil 3D formats, Survey and Civil command differences, Civil 3D “Styles” and how they work, and Basic Civil 3D designing concepts and tools. Prerequisite: working knowledge of AutoCAD Land Desktop, practical experience in Survey and Civil design, or instructor’s permission.

DFTS 125 L462	6 credits		J315
4/10-6/19	5:30PM -9:30PM	TTh	PHILLIPS

AUTOMOTIVE

AUTO DETAILING I

Professional auto detailing. A comprehensive course covering all aspects of professional auto detailing tools and techniques. A brief introduction to the operations of an auto detailing business is also included. This course is designed for the auto body paint professional who wants a perfect paint finish, the career-path professional detailer and entrepreneur, and the serious hobbyist. Classroom instruction and hands-on training activities are included in the course. Topics include: proper washing/prep techniques, understanding paint technology and problem paints, paint overspray removal, touchup paint techniques, scratch and swirl removal/repair, color sanding, buffing tools and techniques, polishing tools and techniques, paint protection, interior cleaning and protection including vinyl, leather, cloth, and carpets, plus we will cover the challenges of running an auto detailing business.

ABDYS 122 S020	2 credits	Fee: \$265	K111
4/9-6/18	5:30PM-9:30PM	M	NOLAND

BEGINNING AUTOBODY SHEET METAL REPAIR

This introduction level course covers the basics of how to repair the damaged sheet metal on most any car. Topics covered are dent repair, hammer and dolly, plastic filler, and beginning welding. Rust repair and the basics of panel formation are also covered.

ABDYS 150 S012	3 credits	Fee: \$370	K110
4/3-6/19	6:00PM-10:00PM	T	ERVIN

CLASSIC CAR RESTORATION

This course introduces students to the methods and techniques used to restore classic automobiles. Vehicles ranging from those produced in 1950 through 1975 are the focus of this course. Students learn chassis inspection and repair of worn components, steering, brakes, suspension, and basic electrical system diagnosis. Basic automotive service knowledge is preferred.

AUTCS 150 S002	3 credits	Fee: \$370	K111
4/4-6/20	6:00PM-10:00PM	T	DEVINE



ACCOUNTING

INTRODUCTION TO FINANCIAL ACCOUNTING

Practical accounting is taught with a vocational emphasis on analyzing, classifying, recording, summarizing and interpreting business transactions.

ACCT 110 B306 4 credits H311
4/2-6/28 9:00AM-11:00AM DAILY HOLMAN

PRINCIPLES OF ACCOUNTING I

Students develop skills in recording transactions to specific areas of accounting including: accounts receivable, inventories, plant and equipment, asset valuation, notes receivable and notes payable. Emphasis is on preparing general journal entries in accordance with Generally Accepted Accounting Principles (GAAP). This course builds upon the skills learned in ACCT 110. Prerequisite: placement into ACCT& 201 or completion of ACCT 110 and ACCT 100L with a 2.0 or higher.

ACCT& 201 B352 4 credits H311
4/2-6/28 8:00AM-9:00AM DAILY HOLMAN

PRINCIPLES OF ACCOUNTING II

This course incorporates the basics covered in ACCT 110 and ACCT& 201 and relates them to more complex accounting functions. Topics include Forms of business (proprietorships, partnerships, and corporations), internal control, debt and equity, bonds, inventories, intangible assets, depreciation, statement analysis, and cash flow. This course concentrates on theory and assumes the student has some background in accounting. Prerequisite: placement into ACCT& 202 or completion of ACCT& 201 and ACCT& 201L with a 2.0 or higher.

ACCT& 202 B356 4 credits H311
4/2-6/28 12:30PM-1:30PM DAILY HOLMAN

AVIATION

AVIATION GROUND SCHOOL - PRIVATE PILOT

This intense 60-hour aviation pilot ground course offers guidance and training to help pass the required FAA "written" test, the first step required toward achieving a Federal Aviation Administration Pilot License. This is also a great course for those just interested in learning more about the various aspects of aviation as it relates to pilots and is also an excellent in-depth review for returning pilots. A few of the elements covered are generic piston systems, aerodynamics, weather, navigation, airport/airspace operations, communications and Federal Air Regulations. Upon successful completion of the course the mandatory achievement certificate will be provided to take the actual FAA multiple choice "written" test from an FAA vendor testing center. Fee includes course book, text book, Federal Air Regulations and Airmen Information Manual books, Private Pilot test guide book and all other associated materials such as plotter and mechanical flight computer. It does not cover the vendor cost of the actual FAA test. Offsite classroom is located at Renton Municipal Airport allowing access to viewing planes, associated support items and airport operations when needed.

AVIA 101 S022 6 credits Fee: \$425 RTNAIRP
4/3-6/7 10:00AM-1:00PM TTh PIPKIN

AVIA 101 S024 6 credits Fee: \$425 RTNAIRP
4/3-6/7 4:45PM-7:45PM TTh MCKECHNIE

BAKING

CAKE DECORATING FUNDAMENTALS

This class covers the fundamentals of cake decorating; to include icing methods, basic bordering tips, icing recipes and the equipment needed to professionally decorate a cake. Professional cake decorator Akemi Kan will assist students in decorating their own cakes in this hands-on development class. Students are to bring their own cakes in classes 2 through 6. A list of supplies and basic decorating methods will be reviewed on the first night of class.

BAKS 103 M303 1 credit I109
5/1-6/12 6:30PM-9:00PM T KAN

CAKE DECORATING ADVANCED

Taking cake decorating to the next level in this advanced cake decorating class. Students will have the opportunity to learn about advanced cake decorating tips, the use of marzipan, fondant and the tricks of the trade to make the most elegant 3-dimensional cakes. Advanced equipment techniques and the use of silk, fresh and hand-molded flowers will be explained. Bring a cake and frosting for classes 2 through 6 for advanced hands-on training. A list of supplies and advanced techniques will be reviewed on the first night of class.

BAKS 104 M304 1 credit I109
5/3-6/7 6:30PM-9:00PM Th KAN

BERLITZ LANGUAGE COURSES

Renton Technical College is pleased to announce a partnership with Berlitz to offer world languages. With 128 years of experience, locations in over 60 countries, and millions of satisfied graduates, Berlitz is the leader in language and cross-cultural training. Courses offered include the following highlights:

- The famous Berlitz Method focusing on speaking, listening and real life situations.
- Live face-to-face instruction and online live instruction classes available.
- Private instruction and total immersion courses are customized and can be delivered at your location, at the college or language center.

Berlitz offers several different class-size options:

Online courses and total immersion courses are also available.

Corporate Group Courses (6-10 students):

48 hours/4 credits - \$1,140

Semi-Private Courses (2-4 students):

36 hours/4 credits - \$1,650

Private Courses:

48 hours/3 credits - \$4,170

All courses must be completed within the quarter. For descriptions and information about all of our courses and how to register, please visit: www.berlitz.us/clients/rtc1229.

LEVEL 1 LANGUAGE COURSES

These introductory courses are basic conversation courses designed for those who need to use the language in their work in basic interaction because they have occasional contact with speakers of the language or for those that would like to have some survival skills for getting around while traveling on business or vacation.

LEVEL 2 LANGUAGE COURSES

These courses are designed to be a continuation of the Level 1 Language Courses or for one with a very basic command of the spoken language. At the completion of a Level 2 course, students are able to deal with simple, straightforward information and are able to maintain simple face-to-face conversations, using at least one form of the present, past and future tenses.



BOILER OPERATOR

BOILER OPERATOR LICENSING CLASS 1 & 2

Students review boiler and pressure vessel construction and operation of steam and hot water heating plants and systems, including moderate size high-pressure boilers, generators, steam turbines, and other auxiliary equipment. This class prepares individuals for the more advanced first or second grade license examination with the City of Seattle and the Tacoma Steam Advisory Certification Board. Textbook required.

BLRS 108 Q208 7 credits J113
4/10-6/14 5:30PM- 9:30PM TTh HARDER

BOILER OPERATOR LICENSING CLASS 3 & 4

Students review boiler and pressure vessel construction and operation of steam and hot water heating plants and systems, including moderate size high-pressure boilers. This class is the first step in preparing individuals for a third or fourth grade license examination with the City of Seattle and the Tacoma Steam Advisory Certification Board. To qualify for license examination, eighty hours of observation time is also required. The eighty hours can be either observation on a job site or completion of BLRS 111, Boiler Operator Lab. For up-to-the-minute license exam information and changes, contact the City of Seattle or the City of Tacoma. Textbook required.

BLRS 110 Q209 7 credits J115
4/14-6/23 8:00AM- 4:30PM Sat CARROLL

BOILER OPERATOR'S LAB

Students develop and practice operating and maintenance procedures on RTC's existing steam and hot water boilers. This course qualifies for the eighty hours of boiler observation for the City of Seattle and the Tacoma Steam Advisory Certification Board.

BLRS 111 Q211 5 credits J113
4/9-6/18 5:30PM- 9:30PM MW HARDER

BOILER OPERATOR REFRESHER COURSE

The purpose of this refresher training is to ensure the safe operation of boilers and accessories with a review of the following areas: codes and regulations, safety, operation of boilers and new technology. A Certificate of Award is issued upon successful completion of this class as proof to the City of Seattle and the Tacoma Steam Advisory Certification Board for renewal of your boiler operator's license.

BLRS 210 Q212 1 credit Fee: \$110 F107
5/5 10:00AM-6:30PM Sat CHAPIN

BLRS 210 Q214 1 credit Fee: \$110 F107
6/7-6/14 5:30PM-9:30PM Th STAFF

CATIA OFF-HOUR CLASSES

Renton Technical College through a partnership with Rillos Engineering is now offering CATIA V5 Online courses (with an optional 4 hour lab component). CATIA V5 is the design software that is widely used in the aerospace and automotive industries.

These classes are fully Online and the students can register at any time. The fee gives you 21 days of access to the Online course. Generally a class can be completed in 16 hours. A 4 hr. lab component is priced separately and is optional (DFTS 276, lab fee \$125). It is recommended that the classes be taken sequentially; (101) level courses are "core" courses which should be completed before (201) level courses. (For a look at demo courses visit <http://v5train.com/coll/rentontech.htm>.) For additional savings, take a look at the CATIA Introduction Bundle which includes 16 hours of remote CATIA lab. If you want to refresh your knowledge we can re-open a class for free any time within a two-year period of your initial enrollment.

Another option, if you prefer instructor-led training, is the CATIA Boot Camp. New classes start every month. See schedule below for more details.

Online with an optional on-campus lab session, visit <http://V5train.com/coll/rentontech.htm>. PAYMENT IN FULL REQUIRED UPON REGISTRATION, AND CORPORATE VOUCHERS ACCEPTED. PLEASE ALLOW 1 TO 2 BUSINESS DAYS TO CREATE ONLINE ACCOUNTS.

INTRODUCTION TO CATIA V5 (INT101)

This is a beginning course in CATIA V5 that introduces you to the CATIA interface, the CATIA structure, opening and saving documents, and the tools to visually manipulate an object (solid) using absolute or relative axes. The course will also include the functions to create a solid model part, produce an assembly, and determine the mechanical properties of the object. Use of CATIA V5's on-line documentation will also be emphasized. Prerequisite: intermediate drafting skills and working knowledge of Windows 98 or later version.

DFTS 170 W602 Fee: \$400 ONLINE
4/2-6/28 ARR ARR STAFF

V5 ASSEMBLY DESIGN FUNDAMENTALS (ADF101)

Learn how to use the tools to create and manage assemblies and sub-assemblies in CATIA V5. Topics include an introduction to assembly design, assembling components, flexible assemblies, analyzing and modifying an assembly, designing in context, inserting parts from the catalog browser, and properly saving products (assemblies). Prerequisite: DFTS 170 Intro to CATIA V5.

DFTS 172 W604 Fee: \$400 ONLINE
4/2-6/28 ARR ARR STAFF

V5 SKETCHER AND AUTO-CONSTRAINTS (SAC101)

Learn how to use the tools to create simple as well as complex profiles in the sketcher workbench of CATIA V5. You will learn the principles and processes for auto- and manual constraining of profiles. Concepts and processes for fully constraining a profile will be shown and practiced. You will also learn how profiles affect the part design and generative shape design workbenches. Use of formulas is emphasized. Prerequisite: DFTS 172 Assembly Design Fundamentals.

DFTS 174 W606 Fee: \$400 ONLINE
4/2-6/28 ARR ARR STAFF

PART DESIGN FUNDAMENTALS (PDF101)

Learn what information is needed and which tools are used to create simple as well as complex solids from profiles and surfaces. Topics include the use of the pad, pocket, shaft, and groove features, as well as the types of associated dimensional/geometrical limits. You will also discuss the numerous approaches to specific solid feature creation, the pros and cons of the different methods used, and the industry's current best practices. Prerequisites: DFTS 172 Assembly Design Fundamentals, DFTS 174 Sketcher and Auto-Constraints.

DFTS 176 W608 Fee: \$400 ONLINE
4/2-6/28 ARR ARR STAFF

PART AND PRODUCT INTEGRATION (PPI101)

This class is a must. It sums up previously learned CATIA V5 skills and focuses on how to use them to design mechanisms. Learn the use and requirements of a mono-detail dataset. You will learn in greater detail how parts and assemblies are structured and related to CATIA V5's product hierarchy. Learn to use tools and techniques that make it possible for a single document to contain only one level of part design detail. Prerequisites: DFTS 172, DFTS 174, and DFTS 176.

DFTS 260 W622 Fee: \$400 ONLINE
4/2-6/28 ARR ARR STAFF



V5 DRAFTING FUNDAMENTALS (DRF201)

This course presents an in-depth knowledge of drafting in CATIA V5. Topics presented include: view creation; text; dimensions; geometric dimensioning and tolerances GD&T; title block and border creation; filtering assembly views; bills of materials; importing dimensions from Sketcher; properly saving drawings; and printing drawings. Students also learn about functions used to create flat (unfold) patterns on a drawing from a folded part, and how to customize default values. Prerequisite: DFTS 260 Part and Product Integration.

DFTS 262 W624 Fee: \$400 ONLINE
 4/2-6/28 ARR ARR STAFF

WIREFRAME FUNDAMENTALS (WFF201)

This course provides a basic understanding of the skills needed to use CATIA V5 Wireframe. The basics of Wireframe (Points, Lines, Planes, Axes Systems, Splines, Connect Curves, and Curve Analysis within the Wireframe and Surface Design Workbench) are demonstrated and explained. This course is a prerequisite for the surfacing courses. Prerequisite: DFTS 260 Part Product Integration.

DFTS 264 W626 Fee: \$400 ONLINE
 4/2-6/28 ARR ARR STAFF

FUNCTIONAL TOLERANCING AND ANNOTATION (FTA301)

One of the most desirable goals for any industry (let alone the engineering industry) is to become a paperless environment. This course takes students one step closer to that concept by demonstrating how text and geometrical dimensioning and tolerancing (GDT) can be applied to solid geometry in space. 2 dimensional support planes are added followed by the necessary annotation to support production without the need to generate drawings. Prerequisite: DFTS 260 Part and Product Integration.

DFTS 265 W628 Fee: \$400 ONLINE
 4/2-6/28 ARR ARR STAFF

SURFACING INTRODUCTIONS (SFI201)

In this course students explore the basics of general surface and supporting wire-frame construction. Students discover that wire-frame geometry consists of lines, circles, splines and points, and is usually used in support of solids and surfaces. Students also explore how surfaces are created primarily for use with solids, but many times are used for defining contoured areas in space as stand-alone entities. Using the V5 software students create extruded, loft, swept, and revolution surfaces. Prerequisite: DFTS 264 Wireframe Fundamentals.

DFTS 266 W642 Fee: \$400 ONLINE
 4/2-6/28 ARR ARR STAFF

SURFACING OPERATIONS (SFO201)

This course provides the designer with the necessary skills to modify existing surfaces using CATIA V5. Topics include joining, healing, trimming and untrimming, disassembling, and splitting surfaces. Extracting, extrapolating and transforming are also covered. Prerequisite: DFTS 266 Introduction to V5 Surfacing.

DFTS 267 W644 Fee: \$400 ONLINE
 4/2-6/28 ARR ARR STAFF

ASSEMBLY DESIGN ADVANCED (ADA201)

This course is a continuation of DFTS 172, Assembly Design Fundamentals. Learn to: manage the catalog browser; search for and insert parts from the catalog browser; use the assembly features toolbar; insert existing products (sub-assemblies) into the product; use the constraint creation toolbar; create stored scenes for the purpose of "filtering off" parts and assemblies; analyze assemblies for interfaces and clearances and material properties; properly save new products, sub-assemblies and parts. Prerequisite: DFTS 260, Part and Product Integration.

DFTS 268 W646 Fee: \$400 ONLINE
 4/2-6/28 ARR ARR STAFF

CATIA INTRODUCTION BUNDLE

This bundle includes all five CATIA introduction courses for a discounted fee. The courses in this bundle are: DFTS 170, DFTS 172, DFTS 174, DFTS 176, and DFTS 260.

DFTS 269 W648 Fee: \$1725 ONLINE
 4/2-6/28 ARR ARR STAFF

CATIA V5 FOR MECHANICS & MANUFACTURING ENGINEERS

This class covers the basic usage of the CATIA software. The students learn how to identify all assembly components, locate parts from STA, BL, and WL coordinates, add measurements and notes, extract hidden information from the MDB, and use the mouse to pan, zoom and rotate. Minimum enrollment of 3 students to start class.

DFTS 270 S466 Fee: \$980 J315
 4/11-6/21 10:30AM-2:00PM WTh STAFF

DFTS 270 S470 Fee: \$980 J315
 4/21-6/23 8:00AM-4:00PM Sat STAFF

CATIA LAB

This 4-hour optional lab component accompanies the CATIA V5 courses.

DFTS 276 L652 Fee: \$125 OFFCAMPUS
 4/2-6/28 ARR ARR STAFF

CATIA V5 BOOT CAMP

Learn CATIA V5 in a week. Class meets once a day for five days to cover a different course of the CATIA Introduction Bundle each day. The class is instructor led and students have access to a CATIA workstation. After class completion the student will have two year access to the online courses in the CATIA Introduction Bundle in order to review and reinforce their training. The bundle consists of the following online courses: DFTS 170, DFTS 172, DFTS 174, DFTS 176, and DFTS 260. Class will start when the enrollment reaches a minimum of five (5) students.

DFTS 278 S452 Fee: \$2,800 J315
 4/9-4/13 3:00PM- 8:00PM DAILY STAFF

DFTS 278 S454 Fee: \$2,800 J315
 5/7-5/11 3:00PM- 8:00PM DAILY STAFF

DFTS 278 S456 Fee: \$2,800 J315
 6/4-6/8 3:00PM- 8:00PM DAILY STAFF

COMMERCIAL CLEANING COURSES

For course registration or additional courses and locations, contact Cleaning Consultants at 206-824-4434 or www.cleaningconsultants.com

Cleaning Management Institute (CMI), Cleaning Science Institute (CSI) & Institute of Inspection, Cleaning and Restoration Certification (IICRC)

Career employment and business opportunities are available for men and women seeking full/part time careers as janitors, cleaners, maids, housekeepers and custodians. Opportunities also exist for supervisors, managers and specialists in carpet cleaning, restoration, wood, stone and resilient floor care, building maintenance and other related fields. The following training classes, certifications courses and events are offered to help meet a growing need for qualified professionals seeking jobs, advancement, and business opportunities in cleaning and maintenance related trades.

Courses will be taught in a hands-on setting with adequate and comfortable seating provided for each student so that they can see, hear, understand, and participate in all instructional activities. Courses use video, flipchart and PowerPoint presentations, demonstrations and participation with commonly used equipment, chemicals and procedures, with emphasis on hands-on involvement of each student in attendance.



CARPET CLEANING TECHNICIAN CERTIFICATION COURSE (IICRC-CCT)

Hands-on two day course provides the latest technical information on the proper procedures, chemicals and equipment needed to identify, spot, repair, clean, maintain and restore all common types of carpet. Participants learn about carpet fibers, styles, construction methods, and a variety of cleaning methods used commercially to clean carpets. 50% of class time is hands-on practice with various cleaning methods and removing spots from carpet.

5/24-5/25 8:00AM-5:00PM ThF K201 GRIFFIN

CUSTODIAL TRAIN THE TRAINER

This three day program (24 hours) is based on Cleaning Management Institute's Train the Trainer program and course of study and meets the training requirements for the International Sanitary Supply Associations (www.issa.com) Cleaning Industry Management Standard (CIMS). Materials include presentation outlines, training aids, audio visuals, exams, and hands on exercises that assure that students learn necessary information and skills. This course provides attendees with everything that they need to develop and instruct cleaning related seminars and presentations or an ongoing Custodial Training Program for building service contractors, educational facilities, healthcare organizations and other groups with special training needs. Course Fee: \$999.

6/27-6/29 8:00AM-5:00PM TWTh K201 GRIFFIN

COMPUTER SCIENCE

FUNDAMENTALS OF PROGRAMMING

This introductory course is designed to teach programming concepts and fundamentals to those students who have little or no programming experience. Basic concepts, such as flowcharting, pseudocode, data types, controls structures, arrays, relational databases, structured programming and object oriented programming are presented. The Visual Basic language is used to explore important concepts.

CSIS 120 L204 6 credits J107
4/9-6/18 5:30PM-9:30PM MW FOBES

INTRODUCTION TO C# - PART I

This first introductory module covers data types, decision loops, and an introduction to the concept of arrays. Includes hands-on activities in the lab where students use C# and the Microsoft Visual Studio .NET development environment. Prerequisite: programming experience.

CSIS 131 L208 3 credits J108
4/14-5/12 8:00AM-4:30PM Sat ZERROUKI

INTRODUCTION TO C# - PART 2

In this second introductory module, students learn arrays, strings, and structures. They also begin the study of classes. Includes hands-on activities in the lab where students use C# and the Microsoft Visual Studio .NET development environment. Prerequisite: programming experience.

CSIS 141 L226 3 credits J108
5/19-6/23 8:00AM-4:30PM Sat ZERROUKI

FUNDAMENTALS OF XHTML AND CSS

This course is an introduction to the basic building blocks of web pages. The students learn the most common XHTML/HTML statements, and the structure of cascading style sheets and how they shape the look of a web page. Sufficient hands-on time provided in class to develop basic web page examples.

CSIS 139 L224 6 credits J107
4/10-6/19 5:30PM-9:30PM TTh CROUCH

INTRODUCTION TO FLASH

Creating multimedia content for the web is in high demand now, and creating this material can be simple and fun. This class shows you the fundamentals of creating animation with sound as well as simple interactions using Tweening and ActionScripting. Create everything from simple animated GIFS to stand-alone movies with sound that can be viewed from any computer with a web browser that has the Flash Player installed.

CSIS 155 L244 6 credits J111
4/10-6/19 5:30PM-9:30PM TTh FOBES

COMPUTER SELF-PACED CLASSES

All computer self-paced classes are \$159 and 1 credit

INTRODUCTION TO WINDOWS I

APPS 101 N101 4/9-6/22 8:00AM- 2:30PM DAILY H202 JORDAN
APPS 101 N301 4/7-6/23 10:00AM- 2:00PM Sat H20 ADAMS
✓APPS 101 W700 4/2-6/28 ARR ARR ONLINE JORDAN

INTRODUCTION TO WINDOWS II

APPS 102 N102 4/9-6/22 8:00AM- 2:30PM DAILY H202 JORDAN
APPS 102 N302 4/7-6/23 10:00AM- 2:00PM Sat H202 ADAMS
✓APPS 102 W702 4/2-6/28 ARR ARR ONLINE JORDAN

INTRODUCTION TO KEYBOARDING I

APPS 105 N105 4/9-6/22 8:00AM- 2:30PM DAILY H202 JORDAN
APPS 105 N305 4/7-6/23 10:00AM- 2:00PM Sat H202 ADAMS
✓APPS 105 W704 4/2-6/28 ARR ARR ONLINE JORDAN

KEYBOARDING SKILLBUILDING I

APPS 106 N106 4/9-6/22 8:00AM- 2:30PM DAILY H202 JORDAN
APPS 106 N306 4/7-6/23 10:00AM- 2:00PM Sat H202 ADAMS
✓APPS 106 W706 4/2-6/28 ARR ARR ONLINE JORDAN

KEYBOARDING SKILLBUILDING II

APPS 107 N107 4/9-6/22 8:00AM- 2:30PM DAILY H202 JORDAN
APPS 107 N307 1/14-3/17 10:00AM- 2:00PM Sat H202 ADAMS

OUTLOOK I

APPS 110 N110 4/9-6/22 8:00AM- 2:30PM DAILY H202 JORDAN
APPS 110 N310 4/7-6/23 10:00AM- 2:00PM Sat H202 ADAMS
✓APPS 110 W710 4/2-6/28 ARR ARR ONLINE JORDAN

OUTLOOK II

APPS 111 N111 4/9-6/22 8:00AM- 2:30PM DAILY H202 JORDAN
APPS 111 N311 4/7-6/23 10:00AM- 2:00PM Sat H202 ADAMS

WORD I

APPS 115 N115 4/9-6/22 8:00AM- 2:30PM DAILY H202 JORDAN
APPS 115 N315 4/7-6/23 10:00AM- 2:00PM Sat H202 ADAMS
✓APPS 115 W714 4/2-6/28 ARR ARR ONLINE JORDAN

WORD II

APPS 116 N116 4/9-6/22 8:00AM- 2:30PM DAILY H202 JORDAN
APPS 116 N316 4/7-6/23 10:00AM- 2:00PM Sat H202 ADAMS
✓APPS 116 W716 4/2-6/28 ARR ARR ONLINE JORDAN



EXCEL I

APPS 121 N120	4/9-6/22	8:00AM-2:30PM	DAILY	H202	JORDAN
APPS 120 N320	4/7-6/23	10:00AM-2:00PM	Sat	H202	ADAMS
APPS 120 W718	4/2-6/28	ARR	ARR	ONLINE	JORDAN

EXCEL II

APPS 121 N121	4/9-6/22	8:00AM-2:30PM	DAILY	H202	JORDAN
APPS 121 N321	4/7-6/23	10:00AM-2:00PM	Sat	H202	ADAMS
APPS 121 W720	4/2-6/28	ARR	ARR	ONLINE	JORDAN

ACCESS I

APPS 125 N125	4/9-6/22	8:00AM-2:30PM	DAILY	H202	JORDAN
APPS 125 N325	4/7-6/23	10:00AM-2:00PM	Sat	H202	ADAMS
APPS 125 W722	4/2-6/28	ARR	ARR	ONLINE	JORDAN

ACCESS II

APPS 126 N126	4/9-6/22	8:00AM-2:30PM	DAILY	H202	JORDAN
APPS 126 N326	4/7-6/23	10:00AM-2:00PM	Sat	H202	ADAMS

HTML DESIGN I

APPS 130 N130	4/9-6/22	8:00AM-2:30PM	DAILY	H202	JORDAN
APPS 130 N330	4/7-6/23	10:00AM-2:00PM	Sat	H202	ADAMS

HTML DESIGN II

APPS 131 N131	4/9-6/22	8:00AM-2:30PM	DAILY	H202	JORDAN
APPS 131 N331	4/7-6/23	10:00AM-2:00PM	Sat	H202	ADAMS

DATA ENTRY I

APPS 135 N135	4/9-6/22	8:00AM-2:30PM	DAILY	H202	JORDAN
APPS 135 N335	4/7-6/23	10:00AM-2:00PM	Sat	H202	ADAMS

DATA ENTRY II

APPS 136 N136	4/9-6/22	8:00AM-2:30PM	DAILY	H202	JORDAN
APPS 136 N336	4/7-6/23	10:00AM-2:00PM	Sat	H202	ADAMS

USING THE INTERNET I

APPS 140 N140	4/9-6/22	8:00AM-2:30PM	DAILY	H202	JORDAN
APPS 140 N340	4/7-6/23	10:00AM-2:00PM	Sat	H202	ADAMS
APPS 140 W732	4/2-6/28	ARR	ARR	ONLINE	JORDAN

USING THE INTERNET II

APPS 141 N141	4/9-6/22	8:00AM-2:30PM	DAILY	H202	JORDAN
APPS 141 N341	4/7-6/23	10:00AM-2:00PM	Sat	H202	ADAMS
APPS 141 W734	4/2-6/28	ARR	ARR	ONLINE	JORDAN

POWERPOINT I

APPS 145 N145	4/9-6/22	8:00AM-2:30PM	DAILY	H202	JORDAN
APPS 145 N345	4/7-6/23	10:00AM-2:00PM	Sat	H202	ADAMS
APPS 145 W736	4/2-6/28	ARR	ARR	ONLINE	JORDAN

POWERPOINT II

APPS 146 N146	4/9-6/22	8:00AM-2:30PM	DAILY	H202	JORDAN
APPS 146 N346	4/7-6/23	10:00AM-2:00PM	Sat	H202	ADAMS

PUBLISHER I

APPS 150 N150	4/9-6/22	8:00AM-2:30PM	DAILY	H202	JORDAN
APPS 150 N350	4/7-6/23	10:00AM-2:00PM	Sat	H202	ADAMS
APPS 150 W740	4/2-6/28	ARR	ARR	ONLINE	JORDAN

PUBLISHER II

APPS 151 N151	4/9-6/22	8:00AM-2:30PM	DAILY	H202	JORDAN
APPS 151 N351	4/7-6/23	10:00AM-2:00PM	Sat	H202	ADAMS

PHOTOSHOP I

APPS 170 N170	4/9-6/22	8:00AM-2:30PM	DAILY	H202	JORDAN
APPS 170 N370	4/7-6/23	10:00AM-2:00PM	Sat	H202	ADAMS

PHOTOSHOP II

Prerequisite: APPS 170.

APPS 170 N171	4/9-6/22	8:00AM-2:30PM	DAILY	H202	JORDAN
APPS 170 N371	4/7-6/23	10:00AM-2:00PM	Sat	H202	ADAMS

DREAMWEAVER I

APPS 175 N175	4/9-6/22	8:00AM-2:30PM	DAILY	H202	JORDAN
APPS 175 N375	4/7-6/23	10:00AM-2:00PM	Sat	H202	ADAMS

DREAMWEAVER II

Prerequisite: APPS 175.

APPS 175 N176	4/9-6/22	8:00AM-2:30PM	DAILY	H202	JORDAN
APPS 175 N376	4/7-6/23	10:00AM-2:00PM	Sat	H202	ADAMS

CONSTRUCTION MANAGEMENT

To enroll in the Construction Management program, see page 11.

CONTRACT ADMINISTRATION

Course covers the typical elements of a construction contract, as well as analysis, interpretation, and implementation of contracts.

CONST 225 K753	3 credits			F111
4/2-4/13	1:30PM-4:30PM	DAILY		LEE
CONST 225 K755	3 credits			F111
4/2-4/13	5:30PM-8:30PM	DAILY		LEE

LABOR AGREEMENTS

Course covers the development and implementation of project labor agreements on large commercial construction projects. Case studies are discussed.

CONST 262 K781	2 credits			F111
4/16-4/24	1:30PM-4:30PM	DAILY		LEE
CONST 262 K783	2 credits			F111
4/16-4/24	5:30PM-8:30PM	DAILY		LEE

HUMAN RELATIONS FOR THE CONSTRUCTION INDUSTRY

Covers work styles, team building, and leadership techniques. Related topics include roles and responsibilities, task delegation, harassment prevention, racial and cultural awareness, problem solving skills, conflict resolution, time management, performance evaluation, and e-mail etiquette. Practice resolving peer-to-peer, peer-to-supervisor, and company-to-company scenarios.

CONST 261 K777	3 credits			F111
4/25-5/9	1:30PM-4:30PM	DAILY		LEE
CONST 261 K779	3 credits			F111
4/25-5/9	5:30PM-8:30PM	DAILY		LEE

ACCOUNTING FOR CONSTRUCTION MANAGEMENT

Learn basic accounting principles and how to utilize them for the construction industry. Review how to track resources on construction accounting systems and how to manage costs, cash flow and profits at a project level. Prerequisites: CONST 100, COMPASS math score of 60 or completion of MATH 075 with a 2.0 or higher.

CONST 115 K717	5 credits			A24
5/7-6/27	5:30PM-9:30PM	MW		STAFF



SAFETY AND ACCIDENT PREVENTION

Learn to implement company safety plans and procedures. Topics covered include identifying and minimizing job hazards, complying with WISHA and OSHA requirements, and understanding a safety communications plan.

CONST 250 K765	3 credits		F111
5/10-5/23	1:30PM-4:30PM	DAILY	LEE
CONST 250 K767	3 credits		F111
5/10-5/23	5:30PM-8:30PM	DAILY	LEE

SAFETY PLANNING AND ADMINISTRATION

Learn to develop company safety plans and procedures. Topics covered include training, documenting, and creating a safety-conscious climate on the job site. Prerequisites: CONST 140, CONST 250.

CONST 251 K769	1 credit		F111
5/24-6/4	1:30PM-4:30PM	DAILY	LEE
CONST 251 K771	1 credit		F111
5/24-6/4	5:30PM-8:30PM	DAILY	LEE

CIVIL CONSTRUCTION

Introduction to road, storm drainage, water and sewer system construction. WSDOT/APWA standard specifications plans and environmental impact review included. Prerequisite: COMPASS math score of 60 or completion of MATH 075 with a 2.0 or higher.

CONST 185 K741	1 credit		F111
6/5-6/28	1:30PM-4:30PM	DAILY	LEE
CONST 185 K743	5 credits		F111
6/5-6/28	5:30PM-8:30PM	DAILY	LEE

CULINARY

GLUTEN-FREE CHINESE DUMPLINGS FOR ALL KITCHENS

Do you always long for Chinese dumplings but cannot enjoy them because of the gluten in the dough? Or maybe you're looking for a new gluten-free menu item? Now you can taste the delicious dumplings without worrying about the allergy. This is a hands-on cooking class that will assist you with the growing demand for gluten-free menu items. You will learn how to make the dough and wrap them one-by-one with your own hands. The class includes learning how to make different authentic flavors of the fillings. **A SUPPLY FEE WILL BE CHARGED IN ADDITION TO TUITION**

CULS 160 M460	1 credit		I107
5/3-5/24	6:00PM-9:00PM	Th	STAFF

EARLY CHILDHOOD CAREERS

To enroll in the hybrid Early Childhood Careers program, see page 11.

GUIDANCE AND DISCIPLINE

Students cover techniques and approaches used in dealing with behavior issues. Students learn culturally relevant strategies and methods to help children learn self-control, problem solve, use conflict resolution, and negotiation skills. In addition, students learn how to provide effective, culturally sensitive, and age appropriate child guidance.

ECC 107	3 credits		N201
4/2-6/28	6:00PM-9:15PM	W	NIEMER

CULTURALLY RELEVANT ANTI-BIAS CURRICULUM

In this Human Relations course, students examine biases in our communities and how these biases affect young children and the development of positive self-esteem. Techniques, principles and methodology used in "AntiBias Curriculum" text are discussed, and students recreate their curriculum and environment to reflect anti-bias and culturally relevant principles in their setting in relation to specific groups of children and families served.

ECC 120	2 credits		N204
4/2-6/28	6:00PM-9:15PM	M	NIEMER

LANGUAGE AND LITERACY

This course provides an overview of language and literacy development, how to support oral language in young children and increase their vocabulary. Students learn to identify and select quality anti-bias, culturally diverse, and age appropriate children's language and literacy activities, and demonstrate a variety of techniques that promote these skills in young children.

ECC 172	3 credits		N201
4/2-6/28	6:00PM-9:15PM	M	NIEMER

INTRODUCTION TO CHILDREN, FAMILIES & COMMUNITY

During the first quarter of this practicum experience, students learn, practice and implement effective cross cultural communication techniques that include basic reading, writing, listening, and speaking skills. Strategies to support families from diverse backgrounds are focused on as well as understanding child growth and development from a multi-cultural perspective, and how to meet children's individual and group needs. The outcomes and competencies are based on the Washington State Skill Standards for Early Childhood Professionals.

ECC 191	3 credits		N201
4/2-6/28	ARR	ARR	NIEMER

INTRODUCTION TO SAFE, HEALTHY LEARNING ENVIRONMENTS, OBSERVATIONS

This second quarter practicum experience continues to build on knowledge and information covered during first quarter, and includes an on-going discussion supporting multi-cultural and anti-bias approaches. Emphasis on preparing and evaluating a culturally diverse and developmentally appropriate learning environment, maintaining health, safety and nutrition standards, and implementing diverse learning activities for music and movement. Students discuss and evaluate workplace competencies, job skills, and ethics necessary for success. The outcomes and competencies are based on the Washington State Skill Standards for Early Childhood Professionals.

ECC 192	3 credits		N201
4/2-6/28	ARR	ARR	NIEMER

INTRODUCTION TO CURRICULUM, GUIDANCE & DISCIPLINE

This third quarter practicum continues to reinforce diversity principles discussed during the first two quarters. Students discuss culturally relevant guidance techniques, observing and recording children's behaviors, and ways to support families and children from diverse backgrounds. By the end of this quarter, students are able to develop and implement curriculum activities and ideas for math and science, creative art, and stories and literature to create a child-centered and culturally diverse program. The outcomes and competencies are based on the Washington State Skill Standards for Early Childhood Professionals.

ECC 193	3 credits		N201
4/2-6/28	ARR	ARR	NIEMER

OBSERVATIONS & ASSESSMENTS

Students learn about different systematic observation techniques, review developmental milestones, and plan diverse, age appropriate activities that meet the individual and group needs of young children.

ECC 210	3 credits		N201
4/2-6/28	6:00PM-9:30PM	W	NIEMER



IMPLEMENTING DAP, ANTI-BIAS & EFFECTIVE COMMUNICATION

This second year internship requires students to practice and implement effective cultural communication techniques and strategies to support families from diverse backgrounds. Students focus on applying a multi-cultural and anti-bias approach to early childhood curriculum in their programs. Outcomes/competencies are based on the Washington State Skill Standards for Early Childhood Professionals.

ECC 290 5 credits N201
4/2-6/28 ARR ARR NIEMER

PRACTICUM-IMPLEMENTING SAFE, HEALTHY LEARNING ENVIRONMENTS

During this quarter students evaluate and prepare culturally diverse learning environments while maintaining health, safety and nutrition standards required by the WAC's. Students conduct observations and assessments to meet the needs of a diverse group of children. Students also discuss, evaluate and implement professional and ethical standards in the workplace for success. Outcomes/competencies are based on the Washington State Skill Standards for Early Childhood Professionals. Variable credits available.

ECC 291 1- 5 credits N201
4/2-6/28 ARR DAILY NIEMER

IMPLEMENTING CULTERALLY DIVERSE CURRICULUM

This second year internship requires students to practice and implement effective cultural communication techniques and strategies to support families from diverse backgrounds. Students focus on implementing a multi-cultural and anti-bias approach to early childhood curriculum in their programs. Outcomes/competencies are based on the Washington State Skill Standards for Early Childhood Professionals. Variable credits available.

ECC 292 1- 5 credits N201
4/2-6/28 ARR ARR NIEMER

ELECTRICAL REPAIR

BASIC ELECTRICITY (PLANT & MACHINE MAINTENANCE-ELECTRICAL 1)

Designed for plant and machine maintenance trainees, instruction includes electron theory and electrical current areas. Textbook and calculator are required.

ELECS 115 Q401 8 credits E405
4/10-6/14 06:00PM-10:00PM TTh MEAKIN

PLANT & MACHINE MAINTENANCE - ELECTRICAL II

This theoretical course is designed for plant and machine maintenance trainees. Basic theory and application areas include continuation of theory on DC and AC circuits and introduction to complex AC circuits. Other areas covered are basic laws and formulae, resistive, inductive, and capacitive loads and calculations, power and power factor, self and mutual inductance, transformers, batteries, AC and DC generator/alternators, AC and DC motors, control circuits, test instruments, circuit diagrams, pilot devices, single and three phase circuits, maintenance issues, and safety. Textbook is required.

ELECS 116 Q402 8 credits E405
4/10-6/14 6:00PM-10:00PM TTh MEAKIN

BASIC HVAC AND REFRIGERATION SYSTEMS

Students learn the theory of mechanical refrigeration and its various applications. Course work helps prepare students for the City of Seattle Refrigeration Operator's License. It is suggested students also take ELECS 234. Textbook is required.

ELECS 232 Q412 4 credits E415
4/14-6/23 8:00AM-12:00PM Sat CAMPBELL

ELECTRONICS

BASIC ELECTRONICS I

This course is an introduction to DC and AC electrical concepts, electronic devices and circuit basics. Topics covered are: DC series and parallel resistive circuits, circuit theorems, capacitors, inductors, RC circuits, electromagnetism, transformers, reactance, impedance, resonance. Lab work reinforces the lecture material and presents test equipment basics. Experiments provide hands-on experience through circuit bread boarding and testing, use of meters, power supplies, oscilloscopes and function generators.

ESTS 110 L604 6 credits J207
4/10-6/19 5:30PM-9:30PM TTh MARSHALL

BASIC ELECTRONICS II

This course covers semiconductor devices and their use and application in circuits. An overview of basic semiconductor theory is given then device models are presented. The course covers: Diodes, Transistors, amplifiers, switching circuits and Operational Amplifiers. The course concludes with filters and oscillators. Lab work reinforces the lecture topics and provides hands-on experience through circuit bread boarding and testing, and comprehensive use of meters, power supplies, oscilloscopes and function generators. Prerequisite: ESTS 110 or equivalent knowledge and permission of instructor.

ESTS 111 L606 6 credits J207
4/9-6/18 5:30PM-9:30PM MW MARSHALL

BASIC ELECTRONICS III

This course covers combinational sequential digital logic, devices, and circuit applications. It begins with number systems, basic logic gates, programmable logic and code converters, multiplexers and demultiplexers. The later part of the course covers Flip-Flops and Registers, Counter Circuits, Shift Registers, Multivibrators, Analog to Digital and Digital to Analog devices and circuits. Lab work reinforces the lecture topics and provides hands-on experience through circuit bread boarding and testing, and comprehensive use of meters, power supplies, oscilloscopes, and function generators. Prerequisite: ESTS-111 or equivalent knowledge and permission of instructor.

ESTS 112 L608 6 credits J207
4/9-6/18 5:30PM-9:30PM MW MARSHALL

ELECTRONICS MANUFACTURING FOR TECHNICIANS

Learn electronic component identification and markings, PCB assembly, soldering, de-soldering, and minor PCB rework. Also covered are crimplugs, crimp pins, IDC and flat cable assembly. Students will learn basic wiring skills and also an introduction to surface mount PCB assembly.

EASS 100 L802 5 credits J207
4/14-6/23 8:00AM-4:30PM Sat MARSHALL

MICROPROCESSOR CONTROLLERS

An introduction to micro-controller theory, concepts and applications. The course examines the Motorola 68HC11 series of micro-controllers with a view toward assembly language programming, device architecture, and interfacing. At the conclusion of this course students will have gained a practical understanding of single board computer subsystems and embedded controllers. An understanding of digital logic and knowledge of computer numbering systems or equivalent experience is strongly recommended.

EETS 253 L624 6 credits J209
4/9-6/18 5:30PM-9:30PM MW MARSHALL



FORKLIFT & FLAGGER TRAINING

FLAGGER TRAINING

This course offers training and state certification in flagging, traffic control and safety. Students learn hand signals and the correct procedures for placing cones and signs. A high level of safety is stressed in this class. Upon successful completion, participants receive a picture ID card with certification valid for three years. Fee includes textbook and all materials. Students MUST be at least 18 years of age.

FLAG 101 Q640	Fee: \$60	K201
3/24	8:00AM-4:30PM	Sat SMITH
FLAG 101 Q641	Fee: \$60	K201
4/9	8:00AM-4:30PM	M SMITH
FLAG 101 Q642	Fee: \$60	K201
5/7	8:00AM-4:30PM	M SMITH
FLAG 101 Q643	Fee: \$60	K201
6/4	8:00AM-4:30PM	M SMITH

FORKLIFT TRAINING

Students demonstrate skill, safety and efficiency in operating a sit-down, counter-balance forklift. Certification is available to students who qualify. However, current safety regulations require that an employer must test an employee's ability and provide training on any machinery, attachments, or working conditions specific to a particular job site. This class is limited to 8 students. A student must have experience driving a car or truck. Class times are: Thursday, 5pm-9pm; Saturdays, 8am-5pm.

WHFRS 101 Q601	1 credit	Fee: \$299	L102A
4/12-4/21		ThSat	HAECKL
WHFRS 101 Q603	1 credit	Fee: \$299	L102A
6/7-6/16		ThSat	HAECKL

FORKLIFT RECERTIFICATION

This class is designed for individuals with a valid (non-expired) forklift card who are interested in renewing their certification. This class is limited to 8 students. A student must have experience driving a car or truck. Class times are: Thursday, 5pm-9pm; Saturday, 8am-5pm.

WHFRS 201 Q602	1 credit	Fee: \$107	L102A
4/12-4/14		ThSat	HAECKL
WHFRS 201 Q604	1 credit	Fee: \$107	L102A
6/7-6/9		ThSat	HAECKL

GLASSBLOWING

Classes are held off campus at Uptown Glassworks
230 Main Ave South, Renton, WA 98057 (425) 228-1849

BEGINNING GLASSBLOWING I

It's hot! Create unique art using molten glass that is ten times hotter than boiling water. Introduce yourself to the ancient secrets of the glass arts with hands-on individualized instruction designed for students with no prior experience working in a "hot shop". You will be captured by this limitless and beautifully expressive medium. Classes are limited to six students.

ARTS 100 M500	1 credit	Fee: \$275	UPTOWN
4/3-4/17	6:00PM-9:00PM	T	DIVELBISS
ARTS 100 M501	1 credit	Fee: \$275	UPTOWN
4/24-5/8	6:00PM-9:00PM	T	DIVELBISS

BEGINNING GLASSBLOWING II

It's hot! Create unique art using molten glass that is ten times hotter than boiling water. Introduce yourself to the ancient secrets of the glass arts with hands-on individualized instruction designed for students with no prior experience working in a "hot shop". You will be captured by this limitless and beautifully expressive medium. Classes are limited to six students.

ARTS 200 M510	1 credit	Fee: \$275	UPTOWN
5/15-5/29	6:00PM-9:00PM	T	DIVELBISS
ARTS 200 M511	1 credit	Fee: \$275	UPTOWN
6/5-6/19	6:00PM-9:00PM	T	DIVELBISS

"HOT SHOTS" INTRODUCTION TO GLASSBLOWING I

This single session class teaches the basics of glassblowing. You'll learn to gather glass from a 2000 degree furnace, heat it up in the glory hole, and shape it into your own creation. Hot Shots is great as a onetime class, but also suitable as a trial lesson to learn the foundations for a new craft. You keep your own works. Limited to six students.

ARTS 105 M520	1 credit	Fee: \$99	UPTOWN
4/3	6:00PM-9:00PM	T	DIVELBISS
ARTS 105 M526	1 credit	Fee: \$99	UPTOWN
4/6	6:00PM-9:00PM	T	DIVELBISS
ARTS 105 M521	1 credit	Fee: \$99	UPTOWN
4/10	6:00PM-9:00PM	F	DIVELBISS
ARTS 105 M522	1 credit	Fee: \$99	UPTOWN
4/17	6:00PM-9:00PM	T	DIVELBISS
ARTS 105 M523	1 credit	Fee: \$99	UPTOWN
4/24	6:00PM-9:00PM	T	DIVELBISS
ARTS 105 M527	1 credit	Fee: \$99	UPTOWN
4/27	6:00PM-9:00PM	F	DIVELBISS
ARTS 105 M524	1 credit	Fee: \$99	UPTOWN
5/11	6:00PM-9:00PM	T	DIVELBISS
ARTS 105 M525	1 credit	Fee: \$99	UPTOWN
5/8	6:00PM-9:00PM	T	DIVELBISS

"HOT SHOTS" INTRODUCTION TO GLASSBLOWING II

This single session class teaches the basics of glassblowing. You'll learn to gather glass from a 2000 degree furnace, heat it up in the glory hole, and shape it into your own creation. Hot Shots is great as a onetime class, but also suitable as a trial lesson to learn the foundations for a new craft. You keep your own works. Limited to six students.

ARTS 205 M530	1 credit	Fee: \$99	UPTOWN
5/15	6:00PM-9:00PM	T	DIVELBISS
ARTS 205 M536	1 credit	Fee: \$99	UPTOWN
5/18	6:00PM-9:00PM	F	DIVELBISS
ARTS 205 M531	1 credit	Fee: \$99	UPTOWN
5/22	6:00PM-9:00PM	T	DIVELBISS
ARTS 205 M532	1 credit	Fee: \$99	UPTOWN
5/29	06:00PM-09:00PM	T	DIVELBISS
ARTS 205 M533	1 credit	Fee: \$99	UPTOWN
6/5	06:00PM-09:00PM	T	DIVELBISS
ARTS 205 M537	1 credit	Fee: \$99	UPTOWN
6/8	6:00PM-9:00PM	F	DIVELBISS
ARTS 205 M534	1 credit	Fee: \$99	UPTOWN
6/12	6:00PM-9:00PM	T	DIVELBISS
ARTS 205 M535	1 credit	Fee: \$99	UPTOWN
6/19	6:00PM-9:00PM	T	DIVELBISS



ASSORTED GLASS CRAFTS I

This three-week course includes introductory sessions of different and unique glass techniques to help you find the skill that fits you best. Assorted Glass Crafts consists of: glassblowing, lampworking, fusing, and slumping. No previous experience required! Classes are limited to six students.

ARTS 103 M506	1 credit	Fee: \$225	UPTOWN
4/6-4/20	6:00PM-9:00PM	F	DIVELBISS
ARTS 103 M507	1 credit	Fee: \$225	UPTOWN
4/27-5/11	6:00PM-9:00PM	F	DIVELBISS

ASSORTED GLASS CRAFTS II

This three-week course includes introductory sessions of different and unique glass techniques to help you find the skill that fits you best. Assorted Glass Crafts consists of: glassblowing, lampworking, fusing, and slumping. No previous experience required! Classes are limited to six students.

ARTS 203 M516	1 credit	Fee: \$225	UPTOWN
5/18-6/1	6:00PM-9:00PM	F	DIVELBISS
ARTS 203 M517	1 credit	Fee: \$225	UPTOWN
6/8-6/22	6:00PM-9:00PM	F	DIVELBISS

MULTI-MEDIA WORKSHOP I

Prerequisite: Instructor permission required. SATURDAY AND SUNDAY CLASSES ARE FROM 10 AM - 6 PM ON BOTH DAYS.

ARTS 104 M508	1 credit	Fee: \$750	UPTOWN
4/20-4/22	6:00PM-10:00PM	F/Sat/Sun	DIVELBISS
ARTS 104 M509	1 credit	Fee: \$750	UPTOWN
5/4-5/6	6:00PM-10:00PM	F/Sat/Sun	DIVELBISS

MULTI-MEDIA WORKSHOP II

Prerequisite: Instructor permission required. SATURDAY AND SUNDAY CLASSES ARE FROM 10 AM - 6 PM ON BOTH DAYS.

ARTS 204 M518	1 credit	Fee: \$750	UPTOWN
6/1-6/3	6:00PM-10:00PM	F/Sat/Sun	DIVELBISS
ARTS 204 M519	1 credit	Fee: \$750	UPTOWN
6/15-6/17	6:00PM-10:00PM	F/Sat/Sun	DIVELBISS

INTRODUCTION TO TORCHWORK & BEAD MAKING I

A single session lesson, "Bead Me" teaches the basics of working borosilicate glass using propane bench torches to create your own beads and jewelry. You keep your own works. Limited to eight students.

ARTS 106 M540	1 credit	Fee: \$79	UPTOWN
4/13	6:00PM-9:00PM	F	DIVELBISS
ARTS 106 M541	1 credit	Fee: \$79	UPTOWN
5/4	6:00PM-9:00PM	F	DIVELBISS

INTRODUCTION TO TORCHWORK & BEAD MAKING II

A single session lesson, "Bead Me" teaches the basics of working borosilicate glass using propane bench torches to create your own beads and jewelry. You keep your own works. Limited to eight students.

ARTS 206 M550	1 credit	Fee: \$79	UPTOWN
5/25	6:00PM-9:00PM	F	DIVELBISS
ARTS 206 M551	1 credit	Fee: \$79	UPTOWN
6/15	6:00PM-9:00PM	F	DIVELBISS

INTRODUCTION TO GLASS FUSION I

This single session lesson teaches the basics of shaping glass by fusion. Learn how to cut and craft glass strips and fuse them into your own coasters and panes. You keep your own works. Limited to eight students.

ARTS 107 M560	1 credit	Fee: \$79	UPTOWN
4/20	6:00PM-9:00PM	F	DIVELBISS
ARTS 107 M561	1 credit	Fee: \$79	UPTOWN
5/11	6:00PM-9:00PM	F	DIVELBISS

INTRODUCTION TO GLASS FUSION II

This single session lesson teaches the basics of shaping glass by fusion. Learn how to cut and craft glass strips and fuse them into your own coasters and panes. You keep your own works. Limited to eight students.

ARTS 207 M570	1 credit	Fee: \$79	UPTOWN
6/1	6:00PM-9:00PM	F	DIVELBISS
ARTS 207 M542	1 credit	Fee: \$79	UPTOWN
6/22	6:00PM-9:00PM	F	DIVELBISS

HOME INSPECTION

Classes Offered in Partnership with Industry

Renton Technical College has strong ties to many industry partners. We are pleased to offer the following classes in partnership with industry organizations. To register for these classes, please contact the organization directly.

For more information or to register, please contact American Home Inspectors Training Institute at 1-800-441-9411 or www.ahit.com

HOME INSPECTION-CLASSROOM

This class prepares students to become home inspectors. The class includes extensive information and practice tests in key areas of inspection: structures; exteriors; roofs; plumbing; electrical; heating and cooling; and interiors, insulation, and ventilation.

5/5-5/18	8:00AM-6:00PM	Daily	A23 STAFF
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HOME INSPECTION- FIELD TRAINING

This class prepares the students to become home inspectors. It is the field trip proportion that follows the classroom and is optional to students. The students will get hands on experience at key areas of inspection: structures; exteriors; roofs; plumbing; electrical; heating and cooling; and interiors, insulation, and ventilation.

5/29-6/2	8:00AM-6:00PM	Daily	A23 STAFF
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MACHINING**MACHINING/LATHE**

Learn or upgrade skills in basic machine shop practices. The course is taught on an individual basis emphasizing basic shop and machine operation practices. ALL STUDENTS ARE REQUIRED TO HAVE A LATHE TOOL BIT, SAFETY GLASSES, AND LEATHER SHOES.

MTECS 113 K312 5 credits F104
4/14-6/23 8:30AM-5:00PM Sat TIEFEL

MACHINING/MILLING

This course is for individuals who have had previous experience or have completed Machining/Lathe and emphasizes advanced shop practices, basic machine and hand tool operation, and the use of industrial milling and grinding machinery. ALL STUDENTS ARE REQUIRED TO HAVE SAFETY GLASSES AND LEATHER SHOES.

MTECS 115 K314 5 credits F104
4/14-6/23 8:30AM-5:00PM Sat TIEFEL

INTRODUCTION TO SOLIDWORKS

This course is an introduction to creating 3-D computer-aided design models. SolidWorks is a feature-based, parametric solid-modeling design program. Topics include base, boss, and cut feature creation using extruded, revolved, or simple swept shapes, and sketching techniques for detail and assembly drawing creation.

MTECS 122 K316 3 credits F109
4/10-6/12 5:30PM-9:30PM T MARTINEZ

ADVANCED SOLIDWORKS

This class is the second of the 2-class sequence for creating 3-D computer-aided design models using SolidWorks design software. Topics include, but are not limited to, sheet metal design, advanced swept and lofted shapes, and parametric surfaces generation. Prerequisite: MTECS 122 or instructor permission.

MTECS 123 K318 3 credits F109
4/10-6/12 5:30PM-9:30PM T MARTINEZ

PERSONAL MANUFACTURING TECHNOLOGY

This class is an overview of PC-based small manufacturing machines and software that is available to entrepreneurs, inventors and hobbyists. Learn what is available, how it works, and how much it costs to get started. Covered technologies include CNC routers, mills, plasma cutters and lathes. Other technologies such as plastic molding, forming, composites, welding and plating will also be discussed. Machines like this are used to create decorative art, musical instruments, radio control car parts, inventions and anything else you can dream up. MACH 3 and Bobcad Cam will be discussed. Learn how to get started in small scale manufacturing.

MTECS 128 K320 1 credit Fee: \$102 F102
4/11-5/16 6:00PM-8:00PM W UCHISON

CNC SET-UP AND OPERATION

Students become familiar with industrial size computerized numerical control (CNC) mills. Students learn machine set-up, operation and programming, as well as the applied math necessary for CNC operation. Prerequisite: MTECS 115 or instructor permission.

MTECS 216 K322 3 credits F102
4/9-6/18 5:30PM-9:30PM M UCHISON

INTRODUCTION TO MASTERCAM

Explore the basics of CNC programming using Mastercam software. Learn geometric construction, write and document programs using contours, drill and pocket functions, tool path as well as file management, editing and post-processing.

MTECS 220 K324 3 credits F109
4/12-6/14 5:30PM-9:30PM Th MARTINEZ

ADVANCED MASTERCAM

Discover advanced programming tools in Mastercam to program complex parts. Learn standard wireframe construction, 2D and 3D, swept surfaces, ruled surfaces, and solids. 3D tool path, 4th axis or rotary axis, parameters, printing and documentation of all NC programs. Prerequisite: MTECS 220 or instructor approval.

MTECS 222 K326 3 credits F109
4/12-6/14 5:30PM-9:30PM Th MARTINEZ

MICROSOFT IT ACADEMY**PROGRAMMING WITH MICROSOFT ADO.NET**

Microsoft Course 2389: This course teaches developers to build data-centric applications and Web services with Microsoft ADO.NET, Microsoft SQL Server 2000, and the Microsoft .NET Framework. Prerequisites: Advanced VB.NET (CSIS 125), experience developing the .NET Framework, or instructor permission.

CSIS 133 L036 3 credits J108
4/9-5/9 5:30PM-9:30PM MW STAFF

DEVELOPING XML WEB SERVICES USING M/S ASP.NET

Microsoft Course 2524. This course provides students with the knowledge and skills that are required to develop (XML) Web services-based solutions to solve common problems in the distributed application domain. The course focuses on using Microsoft Visual Studio .NET and Microsoft ASP.NET to enable students to build, deploy, locate, and consume Web services. Prerequisites: familiarity with C# or Microsoft Visual Basic .NET. Some experience developing distributed applications using Visual Basic, Java, or C++.

CSIS135 L222 3 credits J108
5/14-6/18 5:30PM-9:30PM MW STAFF

WRITING QUERIES USING SQL SERVER 2008 TRANS-SQL

Microsoft Course 2778A. The students will learn how to write basic Transact-SQL queries for Microsoft SQL Server 2008. At the completion of this course the students will have covered the following topics: ways to execute the Transact-SQL language, write SELECT queries to retrieve data, group and summarize data by using Transact-SQL, join data from multiple tables, modify data in tables, and create programming objects. Pre-requisites: Experience working with a previous version of SQL Server or instructor permission.

CSIS 118 L112 6 credits J109
4/10-6/19 5:30PM-9:30PM TTh STAFF

INSTALLING & MANAGING MS EXCHANGE SERVER 2007

Microsoft Course 5047B. The students will learn how to install Microsoft Exchange Server 2007 and manage routing, client access, and the backup and restore of databases. They will also learn how to manage addressing and recipient objects such as mailboxes, distribution groups, and contacts. Prerequisite: some experience in help desk, or network administration, or instructor permission.

CNTS 124 L004 6 credits J102
4/14-6/23 8:00AM-4:30PM Sat STAFF

MAINTAINING A MICROSOFT SQL SERVER 2008 DATABASE

Microsoft Course 6231A. The students will learn how to maintain a Microsoft SQL Server 2008 database. The course covers topics such as: Install and configure SQL Server 2008, manage database files, backup and restore databases, automate administrative tasks, and replicate data between SQL Server instances. Pre-requisites: Experience working with a previous version of SQL Server or instructor permission.

CSIS 117 L110 6 credits J109
4/9-6/18 5:30PM-9:30PM MW TIMKE



PLANNING & MANAGING WINDOWS 7 DESKTOP DEPLOYMENT ENVIRONMENT

Microsoft Course 6294A. In this course, students learn how to plan and deploy Windows 7 desktops in large organizations. They also learn how to design, configure, and manage the Windows 7 client environment. This course helps students prepare for the Exam 70-686, Pro: Windows 7, Enterprise Desktop Administrator. Prerequisite: experience installing Windows 7 or instructor permission.

CNTS 136 L114 6 credits J104
4/10-6/19 5:30PM-9:30PM MW STAFF

CONFIGURING & TROUBLESHOOTING WINDOWS SERVER 2008 NETWORK INFRASTRUCTURE

Microsoft Course 6421A. Provides students with the knowledge and skills to configure and troubleshoot a Windows Sever 2008 network infrastructure. Students learn to implement and configure secure network access and implement fault tolerant storage technologies. Students gain an understanding of the network technologies most commonly used with Windows Server 2008 and IP-enabled networks. Students also learn how to secure servers and maintain update compliance. Course also helps test takers prepare for the 70-642 exam. Prerequisite: experience installing Windows Server or instructor permission.

CNTS 164 L028 6 credits J102
4/10-6/19 5:30PM-9:30PM TTh STAFF

CONFIGURING & TROUBLESHOOTING WINDOWS SERVER 2008 ACTIVE DIRECTORY

Microsoft Course 6425B. Students acquire the knowledge and skills to configure Active Directory Domain Services in a distributed environment, implement Group Policies, perform backup and restore, and monitor and troubleshoot Active Directory related issues. Also helps test takers prepare for the 70-640 exam. Prerequisite: experience working with Active Directory or instructor permission.

CNTS 163 L020 6 credits J102
4/9-6/18 5:30PM-9:30PM MW STAFF

DEVELOPING WEB APPLICATIONS WITH MS VISUAL STUDIO 2010

Microsoft Course 10264A. In this course, students will learn to develop advanced ASP.NET MVC and Web Forms applications using .NET Framework4 tools and technologies. The focus will be on coding activities that enhance the performance and scalability of the Web site application. ASP.NET MVC will be introduced and compared with Web Forms so that students know when each should/ could be used. This will also prepare the student for exam 70-515. Pre-requisites: Experience working with a recent version of Visual Studio or instructor permission

CSIS 145 L116 6 credits J107
4/14-6/23 8:00AM-4:30PM Sat STAFF

CONFIGURING AND ADMINISTERING WINDOWS 7

Microsoft Course 50322A. Provides students with the knowledge and skills to configure and administer Microsoft Windows 7 as a standalone installation or in a corporate environment as a part of a Windows Active Directory domain. It can also be used to prepare for exam 70-680 TS: Windows 7, Configuring. Prerequisite: experience installing Windows OS or instructor permission.

CNTS 119 L002 6 credits J104
4/9-6/18 5:30PM-9:30PM MW STAFF

PROFESSIONAL/PERSONAL ENRICHMENT

PREPARING FOR YOUR FUTURE

With the Unlocking Your Potential program, developed over the past 35 years, this course will provide tools for preparing for the vocation of the future. It will address how to better understand yourself in the current workforce, develop more of your unused potential, correlate your values and vision, turn your dreams into achievable goals and build your self-image and self-esteem.

COMM 141 C541 Fee: \$25 K201
4/16-4/26 9:00AM-11:00AM MTWTh STAFF

HOW TO SELL CRAFTS AT BAZAARS, FAIRS & FESTIVALS

Always wanted to sell crafts at your local holiday bazaars, but had no idea where to start? Confused about the whole process? Take heart! This class is for you! This fun, dynamic class covers: starting with an idea, forming a plan, funding ideas for your start-up under \$200, finding shows, how to apply, preparing for your show, creating your booth, displaying your products, building your business and much more! Selling crafts can be a fun and rewarding experience. Come find out more! For the new or experienced crafter. Includes informative booklet. Taught by Leiann Ronnestad, an experienced crafter and marketing specialist.

COMM 177 C577 Fee: \$45 H105
6/6 6:00PM-8:00PM W RONNESTAD

REFRIGERATION

EPA REFRIGERANT CERTIFICATION

Earn your EPA 608 Universal Certification. The 608 Certification is required for all refrigeration service involving non-automotive sealed systems. This 5-week class includes four weeks of preparation by an experienced and certified instructor. The EPA 608 exam is given in the fifth week during class. Additional cost for exam needs to be paid at the time of testing.

REFS 235 Q701 2 credits E415
5/2-5/30 5:30PM-9:30PM W CAMPBELL



RENTON EMERGENCY PREPAREDNESS ACADEMY

The City of Renton and the American Red Cross have partnered together with Renton Technical College to bring you the Renton Emergency Preparedness Academy. All courses offered through this Academy will help you be more prepared for all kinds of emergencies.

Registration is through the City of Renton.
www.rentonwa.gov or (425) 430-6700, unless otherwise noted.

RENTON POLICE CITIZEN'S ACADEMY

Lights! Sirens! Have you ever wondered what it's like to be a police officer? Come and find out! Law enforcement personnel will introduce you to their world, including discussions of patrol procedures, SWAT operations, Investigations, Hostage Negotiations, and many more. Tours of the Jail and dispatch center and a ride-along with a police officer are included. You must be at least 18 years old, and background checks will be conducted on all applicants. Registration is through the Renton PD ONLY. Download the application at www.rentonwa.gov or call 425-430-7520 to have it mailed to you. City Hall, 1055 S. Grady Way.

FREE RTN CITY HALL
 3/6-5/22 7:00PM-9:00PM T VICKERS

BASIC CPR AND AED TRAINING

Learn how to save a life! Come to this free class taught by a Renton Firefighter, and learn the basics of cardiopulmonary resuscitation (CPR) and how to use an Automated External Defibrillator (AED). Fire Station 14, 1900 Lind Ave SW. Ages 16 and up.

FREE FIRE STATION 14
 3/13 2:00PM-4:00PM T Course #49460 DE SMITH
 5/17 2:00PM-4:00PM Th Course #49590 DE SMITH

COMMUNITY EMERGENCY RESPONSE TEAM

Course #49458. After a disaster people should be prepared to take care of their own needs for a period of time until help arrives. CERT teaches individuals how to prepare their homes and neighborhoods to respond to disasters. Topics covered include personal preparedness, first aid, fire suppression, search and rescue, terrorism and team organization. Instruction includes a combination of classroom and practical "hands-on" training. CERT graduates serve as their own "first responders" during the critical period after a disaster when existing resources are overwhelmed. No class April 11: Class also includes a drill on Saturday, May 12 from 9:00am-12:00pm. Fire Station 14, 1900 Lind Ave SW. Ages 16 and up. **CLASS ALSO INCLUDES A DRILL ON SATURDAY, MAY 12 FROM 9:00AM-12:00PM.'**

Fee: \$25 Resident, \$30 Non-Resident FIRE STATION 14
 3/21-5/9 6:00PM-9:00PM W MATTSON

BABYSITTING CLASS

Course #01152434. This course teaches 11-15 year olds how to handle emergencies, prevent accidents, and understand children's needs at different ages. Class offered in Renton through a partnership with the American Red Cross. **To sign up, please visit www.redcross.org or call the customer service department at 1-800-RED-CROS (1-800-733-2767).** Renton Community Center, 1715 Maple Valley Highway.

Fee: \$85 RCC
 4/14 10:00AM-5:00PM Sat ARC STAFF

CREATING A DISASTER RESILIENT COMMUNITY

Course #49691. Why is it that some communities completely fall apart after a disaster, while others emerge stronger than before? To rise from the ashes of a disaster the whole community must strategically engage in advance, strengthening core elements that support a vital community. Participate in this discussion-based group and share your ideas and learn from others about what makes our community strong, and what areas we can target for improvement. Light food provided at 6:30 pm, workshop begins at 7:00pm. PRE-REGISTRATION IS REQUIRED BY APRIL 18TH. Renton City Hall, 1055 S. Grady Way, 7th Floor - Council Chambers.

FREE RTN CITY HALL
 4/26 6:30PM-9:00PM Th NEEDHAM

CERT ANIMAL RESPONSE I

Course #49461. CERT Animal Response I will teach CERT members emergency preparedness for animal owners and how to recognize specific animal behaviors. Open to Community Emergency Response Team graduates only. CERT Animal Response II will be offered on 6/6/2012.

Fire Station 14, 1900 Lind Ave SW.

Fee: \$10-PAYABLE TO INSTRUCTOR FIRE STATION 14
 5/23 6:00PM-9:00PM W PERCIFUL

CERT ANIMAL RESPONSE II

Course #49462. CERT Animal Response II will prepare CERT members for situations involving animals that they may encounter in performing their broader CERT response functions. Open to Community Emergency Response Team graduates only. CERT Animal Response I will be offered on 5/23/2012. Fire Station 14, 1900 Lind Ave SW.

Fee: \$10-PAYABLE TO INSTRUCTOR FIRE STATION 14
 6/6 6:00PM-9:00PM W PERCIFUL

THE INSIDE SCOOP ON DISASTER RESPONSE

Course #49463. Have you ever wondered how disaster response and recovery is coordinated at the local level before the feds get involved (if at all)? This introduction to disaster management will cover background information such as emergency plans and procedures, the Incident Command System, and response capabilities and limitations. The course will focus on the concept and implementation of an Emergency Operations Center (EOC) to support and coordinate overall disaster response activities. The course will also highlight the various roles volunteers can play in disaster response, including support activities such as working within the EOC.

FREE RTC - K203/204
 6/14 7:00PM-8:30PM Th NEEDHAM

Register through the City of Renton,
(425) 430-6700, www.rentonwa.gov,
unless otherwise noted.



SPORTS AND FITNESS

COMBO KICK

A great mix of kickboxing, toning, Pilates and yoga. Gain cardio endurance, strength, flexibility and breath awareness while working out in a fun and safe environment; an excellent exercise class for all levels of fitness. Kickboxing or light bag gloves are required for punching bags, yoga mats recommended.

COMM 223 C604 Fee: \$20 B120
4/20-5/18 4:30PM-5:30PM F PHILPOTT

COMM 223 C605 Fee: \$20 B120
5/25-6/22 4:30PM-5:30PM F PHILPOTT

BASIC POWER YOGA

This class offers a light to moderate workout to gain strength and flexibility while teaching you the basics of power yoga. Beginning to intermediate yoga poses are introduced with a focus on key postures and breath control. Whether you are new to yoga or familiar with hatha yoga, this class is sure to improve your overall physical fitness.

COMM 225 C602 Fee: \$20 B120
4/21-5/19 9:00AM-10:00AM Sat PHILPOTT

COMM 225 C603 Fee: \$20 B120
5/23-6/20 4:30PM-5:30PM W PHILPOTT

YOGA/PILATES

Great class! This class combines yoga and Pilates, offering a light to moderate workout to gain strength and flexibility with emphasis on your body's core and lengthened movement. Beginning to intermediate yoga and Pilates poses are introduced with focus on key postures with breath control.

COMM 226 C600 Fee: \$20 B120
4/18-5/16 4:30PM-5:30PM W PHILPOTT

COMM 226 C601 Fee: \$20 B120
5/2-6/23 9:00AM-10:00AM Sat PHILPOTT

SURVEYING

BASIC SURVEYING I

Learn basic surveying principles: distance measurement, leveling, datums, angles and directions, right angle trigonometric functions, total stations, traversing and traverse calculations. Calculator with trigonometric functions required. Field lab time is included.

SURS 110 L662 3 credits J205
4/9-6/18 5:30PM- 9:30PM M WILDRICK

WELDING

WELDING

This course is designed to prepare welders for job entry, technical upgrading and certification in most processes of welding. Classroom and practical experience is offered in oxy-acetylene, SMAW, MIG and TIG. Student's previous experience dictates starting point. WABO certification is available.

WELDS 106 K606 4 credits A1
4/14-6/23 8:00AM-2:30PM Sat PARKER

WELDING BRUSH-UP

This course is for individuals needing a brush-up course in welding. Individual classroom and practical experience are offered in gas, arc mig and tig welding. Previous experience determines a student's starting point. A student's motivation and ability to move through the individual objectives will determine completion time. Entrance into the program depends upon student space availability.

WELDS 108 K608 4 credits A1
4/2-6/28 8:00AM-2:30PM ARR PARKER

WELDING (OXY-ACETYLENE AND ARC)

This course is designed to prepare welders for job entry in most phases of welding. Classroom and practical experience is offered in gas and arc welding. Related experiences round out the complete course. Student's previous experience dictates the starting point. WABO certification is available. This class is competency-based and will in most cases need to be taken more than once to become a fully competent welder.

WELDS 102 K602 5 credits A1
4/9-6/18 5:30PM-9:30PM MW JOHNSON

WELDS 102 K604 5 credits A1
4/10-6/14 5:30PM-9:30PM TTh VILCA

WELDING (MIG & TIG)

This course is designed to prepare welders for job entry, technical upgrading and certification in GMAW, GTAW, and FCAW. Instructor's permission must be obtained for direct entrance into GTAW and some oxy-acetylene brush-up may be required. This course offers WABO certification in these processes. This class is competency-based and will in most cases need to be taken more than once to become a fully competent welder.

WELDS 110 K612 5 credits A1
4/9-6/18 5:30PM-9:30PM MW JOHNSON

WELDS 110 K614 5 credits A1
4/10-6/14 5:30PM-9:30PM TTh VILCA

CERTIFIED WELDING INSPECTOR TRAINING

This course will provide the enrollees with the opportunity to apply the principals involved in welding inspection. The students will know the duties of the welding inspector, as well as the responsibilities. The students will be prepared to take the AWS, QC-1 test for CWI certification.

WELDS 112 K616 5 credits A6
4/14-6/23 8:00AM-2:30PM Sat GEIST

WELDING FABRICATION I

This course provides fabrication instruction to those who are proficient in at least one arc welding process. The instruction includes project planning, trade math, welding blueprints, layout, joint design, rolling, bending, plasma cutting, grinding, polishing, finishing and other various fabrication methods. Students are required to purchase their own materials for projects. Prerequisite: instructor permission.

WELDS 114 K618 5 credits A1
4/10-6/14 5:30PM-9:30PM TTh PARKER

WELDING FABRICATION II

This course provides fabrication instruction to those who are proficient in at least one arc welding process. In this class students design plan, layout, cut and fabricate their own welding projects. Students are required to purchase their own materials for projects. Prerequisite: WELDS 114.

WELDS 115 K622 5 credits A1
4/10-6/14 5:30PM-9:30PM TTh PARKER

SOLDADURA

Esta clase prepara soldadores para obtener trabajo, mejorar sus habilidades, o ser certificado en algunos procesos de soldadura. Se ofrece lecciones y experiencia practica en oxi-acetileno, SMAW (soldaduras por arco bajo gas protector), FCAW, GMAW, GTAW, y OAW. La experiencia previa del estudiante determina su punto de entrada en esta clase. Es posible prepararse para obtener la Certificacion de la Asociacion de Inspectores de Edificios del estado de Washington (WABO). Esta clase esta basada en las competencias del estudiante, y en la mayoria de los casos se necesita tomar la clase varias veces para ser totalmente competente en soldadura.

WELDS 124 K624 5 credits A1
4/10-6/14 5:30PM-9:30PM TTh VILCA

