SHORT TERM TRD/INDSTRL/TRNSPRT (STTRDE)

Short Term Trd/Indstrl/Tmsprt (STTRDE) 104
Dev. Your Family Child Care Business
Developing Your Family Child Care Business is a facilitated interactive business development program to help individuals launch or grow successful family child care businesses. This twelve-session program includes: Identify market advantages/disadvantages related to the business location; develop promotional strategies; begin the process of pricing services and understanding finances and setting policies for the child care center. Writing assignments, as appropriate to the discipline, are part of the course.
1.5 Lecture hours. 1.5 Credit Hours.
Offered At: DA

Short Term Trd/Indstrl/Tmsprt (STTRDE) 106
Road Driving
Designed for individuals with little or no commercial truck driving experience, this course provides theoretical foundation to become a commercial driver. Students will learn the regulations that governs each classification and why commercial vehicles are identified by classifications. Through this course, students will be eligible to obtain their commercial driver's license. Upon successful completion, students will receive a certificate of completion and a Class "A" Commercial drivers license. Writing assignments, as appropriate to the discipline, are part of the course.
Grade of C or better in STTRDE 148 and 337, and earned their Commercial License Permit (CLP). Must be 18 years of age or older, possess a valid driver's license, a good driving record, and pass both a physical exam and an alcohol/drug test.
4 Laboratory hours. 2 Credit Hours.
Offered At: DA

Short Term Trd/Indstrl/Tmsprt (STTRDE) 108
Machining Processes I
This course is an introduction to machine tools and processes associated with the machine trade. Topics include industrial safety and environmental protection, basic hand tools, shop floor math, job planning, benchwork, layout, power saw operations, drilling machines, milling machines, and print readings. Upon completion, students should be able to perform the basic operations of measuring, layout, drilling, sawing, and milling. Writing assignments, as appropriate to the discipline, are part of the course.
4 Laboratory hours. 1 Lecture hours. 3 Credit Hours.
Offered At: DA

Short Term Trd/Indstrl/Tmsprt (STTRDE) 109
Machining Processes II
This course further develops the students knowledge, skills and abilities in machining building on the fundamental principles covered in Machining Process I. Students manufacture projects that require precision layout, set-up, machining, and inspection. These projects require students to perform various operations on engine lathes, and surface grinders. Writing assignments, as appropriate to the discipline, are part of the course.
Grade of C or better in STTRDE 126.
4 Laboratory hours. 1 Lecture hours. 3 Credit Hours.
Offered At: DA

Short Term Trd/Indstrl/Tmsprt (STTRDE) 110
Developing Your Family Child Care Business
Developing Your Family Child Care Business is a facilitated interactive business development program to help individuals launch or grow successful family child care businesses. This twelve-session program includes: Identify market advantages/disadvantages related to the business location; develop promotional strategies; begin the process of pricing services and understanding finances and setting policies for the child care center. Writing assignments, as appropriate to the discipline, are part of the course.
1.5 Lecture hours. 1.5 Credit Hours.
Offered At: DA

Short Term Trd/Indstrl/Tmsprt (STTRDE) 111
Unarmed Security Guard
Intensive instruction in the technical aspects of private security employment. Emphasis is on legal rules, security techniques and processes, life safety, and public relations. Successful completion satisfies the 40-hour basic training requirement for unarmed private security certification under Illinois revised statutes. This course is in compliance with the Illinois Public Act 93-0438 effective August 5, 2003 and the Private Detective, Private alarm, Private Security and Locksmith Act of 2004. Writing assignments, as appropriate to the discipline, are part of the course.
2 Lecture hours. 2 Credit Hours.
Offered At: DA

Short Term Trd/Indstrl/Tmsprt (STTRDE) 112
Machining Processes I
This course is an introduction to machine tools and processes associated with the machine trade. Topics include industrial safety and environmental protection, basic hand tools, shop floor math, job planning, benchwork, layout, power saw operations, drilling machines, milling machines, and print readings. Upon completion, students should be able to perform the basic operations of measuring, layout, drilling, sawing, and milling. Writing assignments, as appropriate to the discipline, are part of the course.
4 Laboratory hours. 1 Lecture hours. 3 Credit Hours.
Offered At: DA

Short Term Trd/Indstrl/Tmsprt (STTRDE) 113
Machining Processes II
This course further develops the students knowledge, skills and abilities in machining building on the fundamental principles covered in Machining Process I. Students manufacture projects that require precision layout, set-up, machining, and inspection. These projects require students to perform various operations on engine lathes, and surface grinders. Writing assignments, as appropriate to the discipline, are part of the course.
Grade of C or better in STTRDE 126.
4 Laboratory hours. 1 Lecture hours. 3 Credit Hours.
Offered At: DA

Short Term Trd/Indstrl/Tmsprt (STTRDE) 114
Formalized Security Training
This course is designed to train individuals in the private security field. This course satisfies the 40-hour basic training requirement for unarmed private security certification under Illinois revised statutes. This course is in compliance with the Illinois Public Act 93-0438 effective August 5, 2003 and the Private Detective, Private alarm, Private Security and Locksmith Act of 2004. Writing assignments, as appropriate to the discipline, are part of the course.
2 Lecture hours. 2 Credit Hours.
Offered At: DA

Short Term Trd/Indstrl/Tmsprt (STTRDE) 115
Machining Processes I
This course is an introduction to machine tools and processes associated with the machine trade. Topics include industrial safety and environmental protection, basic hand tools, shop floor math, job planning, benchwork, layout, power saw operations, drilling machines, milling machines, and print readings. Upon completion, students should be able to perform the basic operations of measuring, layout, drilling, sawing, and milling. Writing assignments, as appropriate to the discipline, are part of the course.
4 Laboratory hours. 1 Lecture hours. 3 Credit Hours.
Offered At: DA

Short Term Trd/Indstrl/Tmsprt (STTRDE) 116
Machining Processes II
This course further develops the students knowledge, skills and abilities in machining building on the fundamental principles covered in Machining Process I. Students manufacture projects that require precision layout, set-up, machining, and inspection. These projects require students to perform various operations on engine lathes, and surface grinders. Writing assignments, as appropriate to the discipline, are part of the course.
Grade of C or better in STTRDE 126.
4 Laboratory hours. 1 Lecture hours. 3 Credit Hours.
Offered At: DA

Short Term Trd/Indstrl/Tmsprt (STTRDE) 117
Commercial Drivers License
Completion and a School Bus and Passenger Endorsement on their Commercial Drivers License. Upon completion of this course, students will receive a certificate of safety seats, evacuation, railroad crossings and school bus operations. Writing assignments, as appropriate to the discipline, are part of the course.
4 Laboratory hours. 1 Lecture hours. 2 Credit Hours.
Offered At: OH

Short Term Trd/Indstrl/Tmsprt (STTRDE) 118
Forklift Operator
The Forklift Operator course prepares students for the workplace. Upon completion of this course, students will have a working knowledge of the basic need and use of the lift truck. Students will also be able to safely inspect and operate the lift truck. This course includes theory and practical training.
1 Laboratory hours. 1.5 Lecture hours. 2 Credit Hours.
Offered At: OH
Repeatable: Yes, up to 1 times

Short Term Trd/Indstrl/Tmsprt (STTRDE) 119
Unarmed Security Guard
Intensive instruction in the technical aspects of private security employment. Emphasis is on legal rules, security techniques and processes, life safety, and public relations. Successful completion satisfies the 40-hour basic training requirement for unarmed private security certification under Illinois revised statutes. This course is in compliance with the Illinois Public Act 93-0438 effective August 5, 2003 and the Private Detective, Private alarm, Private Security and Locksmith Act of 2004. Writing assignments, as appropriate to the discipline, are part of the course.
2 Lecture hours. 2 Credit Hours.
Offered At: DA

Short Term Trd/Indstrl/Tmsprt (STTRDE) 120
Machining Processes I
This course is an introduction to machine tools and processes associated with the machine trade. Topics include industrial safety and environmental protection, basic hand tools, shop floor math, job planning, benchwork, layout, power saw operations, drilling machines, milling machines, and print readings. Upon completion, students should be able to perform the basic operations of measuring, layout, drilling, sawing, and milling. Writing assignments, as appropriate to the discipline, are part of the course.
4 Laboratory hours. 1 Lecture hours. 3 Credit Hours.
Offered At: DA

Short Term Trd/Indstrl/Tmsprt (STTRDE) 121
Machining Processes II
This course further develops the students knowledge, skills and abilities in machining building on the fundamental principles covered in Machining Process I. Students manufacture projects that require precision layout, set-up, machining, and inspection. These projects require students to perform various operations on engine lathes, and surface grinders. Writing assignments, as appropriate to the discipline, are part of the course.
Grade of C or better in STTRDE 126.
4 Laboratory hours. 1 Lecture hours. 3 Credit Hours.
Offered At: DA

Short Term Trd/Indstrl/Tmsprt (STTRDE) 122
Class B-Passenger Endorsement

Short Term Trd/Indstrl/Tmsprt (STTRDE) 123
Road Driving

Short Term Trd/Indstrl/Tmsprt (STTRDE) 124
Machining Processes I

Short Term Trd/Indstrl/Tmsprt (STTRDE) 125
Machining Processes II

Short Term Trd/Indstrl/Tmsprt (STTRDE) 126
Machining Processes I

Short Term Trd/Indstrl/Tmsprt (STTRDE) 127
Machining Processes II
Short Term Trd/Indstrl/Tmsprt (STTRDE) 128
Computer Numerical Control Fundamentals
The course is designed to enable students to become familiar with CNC machinery as it applies to the operator. The information presented will include introduction to CNC set-up, tooling, operation, and troubleshooting. Writing assignments, as appropriate, are part of the course.
Grade of C or better in STTRDE 126 and 127 or with the consent of the instructor.
4 Laboratory hours. 1 Lecture hours. 3 Credit Hours.  
Offered At: DA

Short Term Trd/Indstrl/Tmsprt (STTRDE) 129
CNC Milling Operations & Programming
This course introduces the programming, setup, and operation of CNC machining centers. Topics include programming formats, control functions, program editing, part production, and inspection. Various projects will strengthen the proper use, programming, troubleshooting of this equipment in the manufacturing setting. Writing assignments, as appropriate to the discipline, are part of the course.
Grade of C or better in STTRDE 128.
4 Laboratory hours. 1 Lecture hours. 3 Credit Hours.  
Offered At: DA

Short Term Trd/Indstrl/Tmsprt (STTRDE) 130
CNC Turning Operations & Programming
This course introduces the programming, setup, and operation of CNC turning centers. Topics include programming formats, control functions, program editing, part production, and inspection. Various projects will strengthen the proper use, programming, troubleshooting of this equipment in the manufacturing setting. Writing assignments, as appropriate to the discipline, are part of the course.
Grade of C or better in STTRDE 129.
4 Laboratory hours. 1 Lecture hours. 3 Credit Hours.  
Offered At: DA

Short Term Trd/Indstrl/Tmsprt (STTRDE) 131
Machine Shop Math I
This course is designed to provide student with the basic principles of Mathematics with applications that relate to typical machine shop problems. Topics to be studied include the review of fractions, decimals, measurements, ratios, proportions, and percent. An introduction to algebra, measuring systems, precision and accuracy as they relate to machining will also be included in the course. Electronic calculators are required for this course. Writing assignments, as appropriate to the discipline, are part of the course.
2 Laboratory hours. 1 Lecture hours. 2 Credit Hours.  
Offered At: DA

Short Term Trd/Indstrl/Tmsprt (STTRDE) 132
Introduction to Welding Principles
This course is designed to introduce students the principles of basic welding techniques, welding shop measurement, layout work, Mig and Tig welding operations and various equipment used in welding shops. Writing assignments, as appropriate to the discipline, are part of the course.
4 Laboratory hours. 1 Lecture hours. 3 Credit Hours.  
Offered At: DA

Short Term Trd/Indstrl/Tmsprt (STTRDE) 133
Intermediate Welding
Course is designed to continue development of knowledge and skills in Arc, MIG and TIG welding processes. Students will complete various common joints in mild steel in the horizontal and vertical positions using single and multi-pass welds as assigned. Welding safety will be emphasized. Students will gain practice in metrology, weld inspection and an introduction to weld testing. Writing assignments, as appropriate to the discipline, are part of the course.
STTRDE 132 with a grade of C or better or Consent of Department Chairperson.
4 Laboratory hours. 1 Lecture hours. 3 Credit Hours.  
Offered At: DA

Short Term Trd/Indstrl/Tmsprt (STTRDE) 134
Blueprint Reading for Welders
This course prepares student to interpret blueprints and apply the information contained therein in the welding and fabrication trades. Emphasis is placed on the relationship between the two-dimensional drawing and the actual three-dimensional object. Basic and complex welding symbols will be covered. Writing assignments, as appropriate to the discipline, are part of the course.
2 Laboratory hours. 1 Lecture hours. 2 Credit Hours.  
Offered At: DA

Short Term Trd/Indstrl/Tmsprt (STTRDE) 135
Advanced Welding
Course is designed to advance development of knowledge and skills in Arc, MIG and TIG welding processes. Arc and MIG students will complete various common joints in the vertical and overhead positions with mild steel using single and multi-pass welds as assigned. TIG welders will weld mild steel, aluminum and stainless steel in the horizontal and vertical positions. Welding safety will be emphasized. Students will continue practice in metrology, weld inspection and interpretation welding drawings and symbols. Writing assignments, as appropriate to the discipline, are part of the course.
STTRDE 133 with a grade of C or better or Consent of Department Chairperson.
4 Laboratory hours. 1 Lecture hours. 3 Credit Hours.  
Offered At: DA

Short Term Trd/Indstrl/Tmsprt (STTRDE) 136
Basic Horticulture
This course will introduce students to basic concepts of Horticulture with emphasis on basic anatomy, terminology, and functions of plants and professions surrounding culture and use of ornamental plants. Writing assignments, as appropriate to the discipline, are part of the course.
4 Laboratory hours. 1 Lecture hours. 3 Credit Hours.  
Offered At: DA

Short Term Trd/Indstrl/Tmsprt (STTRDE) 137
Managing Urban Green Space
This subject will provide an understanding of how to manage urban green spaces. The study policy, planning and process issues, community consultation, structures, systems and contractual relationships, landscape documentation, project planning and implementation, life-cycle analysis of landscape elements, urban vegetation planning, implementation and maintenance, sustainability concepts and examples. Writing assignments, as appropriate to the discipline, are part of the course.
Grade of C or better in STTRDE 136 Basic Horticulture.
4 Laboratory hours. 1 Lecture hours. 3 Credit Hours.  
Offered At: DA
Short Term Trd/Indstrl/Tmsprt (STTRDE) 138
Horticultural Plant Science
This subject covers the structure and function of plants and plant tissue, cell physiology, energy transformations, metabolism, photosynthesis, plant nutrition, water and nutrient uptake and transport and whole plant physiology. By the conclusion of this subject the student should be able to demonstrate their, of the and of the integration of these processes in the physiology of plant growth. Writing assignments, as appropriate to the discipline, are part of the course.
4 Laboratory hours. 1 Lecture hours. 3 Credit Hours.
Offered At: DA

Short Term Trd/Indstrl/Tmsprt (STTRDE) 139
Urban Horticultural Floral
This course will provide the student with a working knowledge of plant science, anatomy, morphology, physiology, taxonomy, reproduction and genetics as they relate to horticultural ornamental plants. Writing assignments, as appropriate to the discipline, are part of the course.
Grade of C or better in STTRDE 136 - Basic Horticulture
4 Laboratory hours. 1 Lecture hours. 3 Credit Hours.
Offered At: DA

Short Term Trd/Indstrl/Tmsprt (STTRDE) 140
Greenhouse Crop Production
This course will cover information on the production of greenhouse crops and the cultural practices required for growth. Subjects including seeding, watering, fertilization, containers, growing Medias, temperature control, insect and disease control will be covered. Greenhouse plants and pot crops will be grown throughout the semester. Writing assignments, as appropriate to the discipline, are part of the course.
Grade of C or better in STTRDE 136 - Basic Horticulture
4 Laboratory hours. 2 Lecture hours. 4 Credit Hours.
Offered At: DA

Short Term Trd/Indstrl/Tmsprt (STTRDE) 141
Soil Fertility and Assessment
This course introduces students to the ways that farmers and gardeners develop and maintain soil fertility in sustainable farming systems. Subjects include introduction to the tools, techniques and rational behind soil cultivation, soil analysis, soil physical properties, components, nutrient deficiency, soil chemistry, and soil fertility. Writing assignments, as appropriate to the discipline, are part of the course.
Grade of C or better in STTRDE 136 - Basic Horticulture
4 Laboratory hours. 1 Lecture hours. 3 Credit Hours.
Offered At: DA

Short Term Trd/Indstrl/Tmsprt (STTRDE) 142
Management of Plant and Animal Invasion
This course will provide insight and learning of the invasions that are natural ecological phenomena. Dispersing individuals encounter suitable habitat, establish, spread and evolve. In this way, species have radiated outwards from their origins, colonized distant offshore islands, and species have spread in response to changes in climate. Human-induced invasions of plants, animals and diseases in modern times have dramatically altered the scales of time and distance over which invasions take place. Writing assignments, as appropriate to the discipline, are part of the course.
Grade of C or better in STTRDE 136 - Basic Horticulture
4 Laboratory hours. 1 Lecture hours. 3 Credit Hours.
Offered At: DA

Short Term Trd/Indstrl/Tmsprt (STTRDE) 143
Sustainable Farming Practices
This course is designed for those interested in or presently working in the area of grounds care and maintenance. Areas of study including pruning, fertilizing, pesticide use, digging and replacement of landscape plants, general turf care and maintenance of equipment. Writing assignments, as appropriate to the discipline, are part of the course.
Grade of C or better in STTRDE 136, 140 and 141.
4 Laboratory hours. 2 Lecture hours. 4 Credit Hours.
Offered At: DA

Short Term Trd/Indstrl/Tmsprt (STTRDE) 144
Practicum/Internship
This Practicum/Internship is designed for those who have successfully completed the course work for all courses associated with the Sustainable Urban Horticulture program. This Practicum/Internship will allow the student to experience the full vision and mission of the program. Writing assignments, as appropriate to the discipline, are part of the course.
Grade of C or better in STTRDE 136, 137,138,139, 140, 141,142,143 and Consent of Department Chairperson.
10 Laboratory hours. 5 Credit Hours.
Offered At: DA

Short Term Trd/Indstrl/Tmsprt (STTRDE) 145
Class C Driver Training
This course provides in-depth coverage of the laws, rules, and regulations that are applicable to the operation of both commercial and non-commercial motor vehicles. Students gain knowledge and skills in the area of vehicle inspection, pre-testing, skill operations, and defensive driving techniques. Writing assignments, as appropriate to the discipline, are part of the course.
Must be at least 21 years of age, possess a valid driver license, eligible for Department of Transportation Medical Card, and physically able to operate the vehicle and maintain negative drug/alcohol testing.
3 Lecture hours. 3 Credit Hours.
Offered At: OH

Short Term Trd/Indstrl/Tmsprt (STTRDE) 146
Passenger Driver Practice
This course is designated for those interested in or presently working in the area of grounds care and maintenance. Areas of study including pruning, fertilizing, pesticide use, digging and replacement of landscape plants, general turf care and maintenance of equipment. Writing assignments, as appropriate to the discipline, are part of the course.
Grade of C or better in STTRDE 136 - Basic Horticulture
4 Laboratory hours. 1 Lecture hours. 3 Credit Hours.
Offered At: DA

Short Term Trd/Indstrl/Tmsprt (STTRDE) 147
Sustainable Urban Horticulture Practicum/Internship
This Practicum/Internship is designed for those who have successfully completed the course work for all courses associated with the Sustainable Urban Horticulture program. This Practicum/Internship will allow the student to experience the full vision and mission of the program. Writing assignments, as appropriate to the discipline, are part of the course.
Grade of C or better in STTRDE 136, 137,138,139, 140, 141,142,143 and Consent of Department Chairperson.
Practicum/Internship
Short Term Trd/Indstrl/Tmsprt (STTRDE) - 3
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Short Term Trd/Indstr/Trnsprt (STTRDE) 148
Commercial Driving Training Practice
This course is designed as the continuation of the theory course, this course provides students with behind-the-wheel experience leading them to present their driver’s exam and obtaining the Illinois Commercial Driver’s License. Writing assignments, as appropriate to the discipline, are part of the course.
*Student must be 21 years of age or older, possess a valid drivers license, a good driving record (demonstrated thru a court ordered motor vehicle report) & pass a physical exam. Grade of C or better in STTRDE 0337 & obtain a CDL learner’s permit.*
14 Laboratory hours. 7 Credit Hours.
*Offered At: OH*

Short Term Trd/Indstr/Trnsprt (STTRDE) 149
Commercial Driver/Refresher Training
This course is designed for individuals with commercial driving experience, this course provides drivers with a review of the current rules, regulations and requirements to which all commercial drivers must adhere. Writing assignments, as appropriate to the discipline, are part of the course.
2 Lecture hours. 2 Credit Hours.
*Offered At: OH*

Short Term Trd/Indstr/Trnsprt (STTRDE) 337
Commercial Driver Training Theory
This course is designed for individuals with little or no commercial driving experience, this course provides the theoretical foundation to become a commercial driver. Through this course, students will obtain their commercial driver’s license learner’s permit. Writing assignments, as appropriate to the discipline, are part of the course.
*Prospective students must be 21 years of age or older, possess a valid drivers license, a good driving record (demonstrated through a court ordered motor vehicle report) and pass a physical examination and drug/alcohol test.*
1 Laboratory hours. 6.5 Lecture hours. 7 Credit Hours.
*Offered At: OH*

Short Term Trd/Indstr/Trnsprt (STTRDE) 338
Passenger Driver Theory
This course is designed for individuals with little or no commercial driving experience, this course provides the theoretical foundation to become a commercial driver. Through this course, students will obtain their commercial driver’s license learner’s permit. Writing assignments, as appropriate to the discipline, are part of the course.
*Prospective students must be 21 years of age or older, possess a valid drivers license, a good driving record (demonstrated through a court ordered motor vehicle report) and pass a Department of Transportation (DOT) physical examination.*
5 Lecture hours. 5 Credit Hours.
*Offered At: OH*