National Collegiate Landscape Competition

Application 2017

Students: The time has come to indicate your intent to participate in the 2017 National Collegiate Landscape Competition, which will take place on the campus of Brigham Young University in Provo, Utah, March 15-18, 2017.

Student Applicant Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\*Evaluate your skill level for each event listed below by circling the codes related to your experience level.

The code works as follows:

NE = no experience in this event

IE = industry experience in this event

C = 1 semester of classroom experience related to this event

C2 = 2 semesters of classroom experience related to this event

C3 = 3 or more semesters of classroom experience related to this event

EVENTS:

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| NE IE C1 C2 C3 | Arboriculture Techniques: A two person team will demonstrate proficiency in techniques and knowledge needed by arborists. There will be three areas of competition: written exam, rope toss, and tree climb. |
| NE IE C1 C2 C3 | Business Management: The student will be required to answer a series of multiple choice, matching, and calculation problems. Students should be able to define key terms, understand the difference between direct and indirect costs, and understand the different types of accounting and estimating methods. |
| NE IE C1 C2 C3 | Compact Utility Loader: The student will demonstrate proficiency at operating a compact utility loader. Student will need to solve a given dimensioned trenching problem. |
| NE IE C1 C2 C3 | Exterior Landscape Design: A one person team will design the outdoor areas of a residence. |
| NE IE C1 C2 C3 | Interior Plant Identification: A one person team will design the interior spaces of a building, including atriums and container plantings. |

NE IE C1 C2 C3 Employee Development

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| NE IE C1 C2 C3 | Interior Plant Identification: Required to identify by botanical name and common name, a group of 50 indoor plants. |
| NE IE C1 C2 C3 | Annual and Perennial Flower ID: Required to identify by botanical and common names, a group of 50 annual and perennial plants. |
| NE IE C1 C2 C3 | Woody Ornamental Plant ID: Need to identify a group of 50 woody plants by botanical and common name.  |
| NE IE C1 C2 C3 | Irrigation Assembly: Two-person team will assemble, according to a provided plan, an irrigation system consisting of pipe, heads, and valves. No trenching will be done. |
| NE IE C1 C2 C3 | Irrigation Design: Will be required to design an irrigation system for residential landscape. Type of equipment, zoning based on plant types, exposure, equipment type, and water supply; pipe sizing and placement, back flow protection, etc.  |
| NE IE C1 C2 C3 | Irrigation Troubleshooting: Students will be asked to successfully identify and correct problems associated with remote control valves and electrical components within an irrigation system. Written exam and hands on event. |
| NE IE C1 C2 C3 | Landscape Plant Installation: A three-person team will install a landscape accurately as per a plan. |
| NE IE C1 C2 C3 | Tractor Loader Backhoe Operation |
| NE IE C1 C2 C3 | Maintenance Equipment Operation: A two-person team will be required to choose the proper and most efficient equipment and perform necessary maintenance tasks of an area. |
| NE IE C1 C2 C3 | Truck and Trailer Operation: A two-person team will load a mower onto a trailer, secure for transport, negotiate an obstacle course. |
| NE IE C1 C2 C3 | Hardscape Installation: A two-person team will construct a small patio as shown on a plan. |
| NE IE C1 C2 C3 | Sales Presentation: A one-person team will be required to sell a landscape plan to a client within a 10 minute period. |
| NE IE C1 C2 C3 | Skid Steer Operation: A one-person team will be required to negotiate a skid-steer course. |
| NE IE C1 C2 C3 | Wood Construction: A two-person team will construct a wood project from a given plan. |
| NE IE C1 C2 C3 | Plant Problem Diagnosis: The student will be required to identify 25-50 plant problems that may occur for a variety of causes including phytotoxicity, as well as direct damage from insects or disease.  |
| NE IE C1 C2 C3 | Turf and Turf Pest Identification: The student needs to identify, by botanical common name, a group of 25 weeds and turf grasses. |
| NE IE C1 C2 C3 | Landscape Lighting |
| NE IE C1 C2 C3 | Construction Cost Estimating: The student will estimate the bidding of residential/commercial landscape installation contract, including take-offs, estimation of labor hours, and application of appropriate costs. |
| NE IE C1 C2 C3 | Maintenance Cost Estimating: The student will estimate the bidding of a landscape maintenance contract. |
| NE IE C1 C2 C3 | Computer Aided Landscape Design: The student will design a residential site using Dynascape Software. |
| NE IE C1 C2 C3 | Mini Excavator Operation: The student will need to demonstrate proficiency at operating a mini excavator. |