

# VIRGINIA TECH CORE CAMPUS APPROVED TREE LIST

The trees on this list are approved for landscaping for the Virginia Tech Blacksburg campus. See DCSM section 4.3 for tree planting and care requirements and DCSM section 7.9.2 for tree and plant protection during construction.

Trees are listed by alphabetically by botanical names (with shaded separations between) and also with common names. Each is labeled with the minimum volume of soil required for planting the tree.

TREE SPECIES		MINIMUM SOIL VOLUME (CU. FT.)
COMMON NAME	BOTANICAL NAME	
<b>EVERGREEN TREES</b>		
Korean Fir	<i>Abies koreana</i>	600
Blue Atlas Cedar	<i>Cedrus atlantica</i>	1,500
Deodar Cedar	<i>Cedrus deodara</i>	1,500
Lebanese Cedar	<i>Cedrus libani</i>	1,500
Atlantic White Cedar	<i>Chamaecyparis thyoides</i>	1,500
Japanese Cedar	<i>Cryptomeria japonica</i>	600
Chinafir	<i>Cunninghamia lanceolata</i>	600
Leyland Cypress	<i>x Cupressocyparis leylandii</i>	600
American Holly	<i>Ilex opaca</i>	600
Eastern Red Cedar	<i>Juniperus virginiana</i>	600
Southern Magnolia	<i>Magnolia grandiflora</i>	1,500
Lacebark Pine	<i>Pinus bungeana</i>	600
Shortleaf Pine	<i>Pinus echinata</i>	600
Slash Pine	<i>Pinus elliotii</i>	1,500
Austrian Pine	<i>Pinus nigra</i>	600
Longleaf Pine	<i>Pinus palustris</i>	1,500
Pitch Pine	<i>Pinus rigida</i>	1000
Eastern White Pine	<i>Pinus strobus</i>	1,500
Loblolly Pine	<i>Pinus taeda</i>	1000
Japanese Black Pine	<i>Pinus thunbergii</i>	600
Virginia Pine	<i>Pinus virginiana</i>	600
Chinese Hemlock	<i>Tsuga chinensis</i>	1000
Arborvitae	<i>Thuja occidentalis</i>	1000
Chinese Arborvitae	<i>Thuja orientalis (Platyclusus orientalis)</i>	1000
Green Giant Western Red Cedar	<i>Thuja standishii x plicata 'Green Giant'</i>	1000

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TREE SPECIES		MINIMUM SOIL VOLUME (CU. FT.)
COMMON NAME	BOTANICAL NAME	
<b>LARGE DECIDUOUS TREES</b>		
Yellow Buckeye	<i>Aesculus flava</i>	1000
Ohio Buckeye	<i>Aesculus glabra</i>	600
Horse Chestnut	<i>Aesculus hippocastanum</i>	1,500
Red Buckeye	<i>Aesculus pavia</i>	1000
Royal Frost River Birch	<i>Betula 'Penci-1000'</i>	1000
Duraheat River Birch	<i>Betula nigra 'BNMFT'</i>	1,500
Improved Heritage River Birch	<i>Betula nigra 'Cully Improved'</i>	1,500
Pignut Hickory	<i>Carya glabra</i>	1,500
Pecan	<i>Carya illinoensis</i>	1,500
Shagbark Hickory	<i>Carya ovata</i>	1,500
Mockernut Hickory	<i>Carya tomentosa</i>	1,500
Chinese Chestnut	<i>Castanea mollissima</i>	1,500
Southern Catalpa	<i>Catalpa bignonioides</i>	1,500
Purple Catalpa	<i>Catalpa erubescens 'Purpurea'</i>	1,500
Chinese Catalpa	<i>Catalpa ovata</i>	1,500
Northern Catalpa	<i>Catalpa speciosa</i>	1,500
Southern Hackberry	<i>Celtis laevigata</i>	1,500
Hackberry	<i>Celtis occidentalis</i>	1,500
Katsura	<i>Cercidiphyllum japonicum</i>	1000
Yellowwood	<i>Cladrastis kentukea</i>	1000
Common Persimmon	<i>Diospyros virginiana</i>	1000
American Beech	<i>Fagus grandifolia</i>	1,500
European Beech	<i>Fagus sylvatica</i>	1,500
Ginkgo seedless (male variety only)	<i>Ginkgo biloba</i>	1000
Ginkgo 'Autumn Gold' seedless	<i>Ginkgo biloba 'Autumn Gold'</i>	1000
Ginkgo 'Princeton Sentry' seedless	<i>Ginkgo biloba 'Princeton Sentry'</i>	1000
Honey Locust 'Imperial' seedless	<i>Gleditsia triacanthos 'inermis' Imperial</i>	1000
Honey Locust 'Shademaster' seedless	<i>Gleditsia triacanthos 'inermis' Shademaster</i>	1000
Honey Locust 'Skyline' seedless	<i>Gleditsia triacanthos 'inermis' Skyline</i>	1000
Kentucky Coffee Tree	<i>Gymnocladus dioicus</i>	1000
Kentucky Coffee Tree 'Espresso' seedless	<i>Gymnocladus dioicus 'Espresso'</i>	1000

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COMMON NAME	BOTANICAL NAME	
Kentucky Coffee Tree 'Prairie Titan' seedless	<i>Gymnocladus dioicus 'Prairie Titan'</i>	1000
Kentucky Coffee Tree 'Stately Manor' seedless	<i>Gymnocladus dioicus 'Stately Manor'</i>	1000
Black Walnut	<i>Juglans nigra</i>	1,500
English Walnut	<i>Juglans regia</i>	1,500
European Larch	<i>Larix decidua</i>	1000
Japanese Larch	<i>Larix kaempferi</i>	1000
Sweetgum	<i>Liquidambar styraciflua</i>	1000
Liquidambar styraciflua 'Hapdell'	<i>Liquidambar styraciflua 'Hapdell'</i> <i>Happidaze</i>	1000
Sweetgum 'Rotundiloba' seedless	<i>Liquidambar styraciflua 'Rotundiloba'</i>	1000
Tulip Poplar	<i>Liriodendron tulipifera</i>	1,500
Osage Orange 'Double O' (male variety only)	<i>Maclura pomifera 'Double O'</i>	600
Cucumber Tree	<i>Magnolia acuminata</i>	1,500
Dawn Redwood	<i>Metasequoia glyptostroboides</i>	1000
Red Mulberry	<i>Morus rubra</i>	1,500
Black Gum	<i>Nyssa sylvatica</i>	1000
London Plane Tree	<i>Platanus x acerifolia</i>	1000
White Oak	<i>Quercus alba</i>	1,500
Swamp White Oak	<i>Quercus bicolor</i>	1,500
Scarlet Oak	<i>Quercus coccinea</i>	1,500
Southern Red Oak	<i>Quercus falcata</i>	1,500
Shingle Oak	<i>Quercus imbricaria</i>	1,500
Laurel Oak	<i>Quercus laurifolia</i>	1,500
Darlington Oak	<i>Quercus hemisphaerica</i>	1,500
Overcup Oak	<i>Quercus lyrata</i>	1,500
Overcup Oak 'Highbeam'	<i>Quercus lyrata 'Highbeam'</i>	1,500
Bur Oak	<i>Quercus macrocarpa</i>	1,500
Swamp Chestnut Oak	<i>Quercus michauxii</i>	1,500
Chinkapin Oak	<i>Quercus muehlenbergii</i>	1,500
Water Oak	<i>Quercus nigra</i>	1,500
Nuttall Oak	<i>Quercus nuttallii</i>	1,500
Chestnut Oak	<i>Quercus montana</i>	1,500

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TREE SPECIES		MINIMUM SOIL VOLUME (CU. FT.)
COMMON NAME	BOTANICAL NAME	
English Oak	<i>Quercus robur</i>	1,500
English Oak 'Fastigiata'	<i>Quercus robur</i> 'Fastigiata'	1000
Crimson Spire Oak	<i>Quercus robur</i> x <i>alba</i> 'Crimschmidt'	1000
Heritage Oak	<i>Quercus robur</i> x <i>macrocarpa</i> 'Clemons'	1000
Northern Red Oak	<i>Quercus rubra</i>	1,500
Shumard Oak	<i>Quercus shumardii</i>	1,500
Post Oak	<i>Quercus stellata</i>	1,500
Black Oak	<i>Quercus velutina</i>	1,500
Black Locust	<i>Robinia pseudoacacia</i>	1000
Black Locust 'Purple Robe'	<i>Robinia pseudoacacia</i> 'Purple Robe'	1000
Black Locust 'Globe'	<i>Robinia pseudoacacia</i> 'Umbraculifera'	1000
Weeping Willow	<i>Salix babylonica</i>	1,500
Dragon's Claw Willow	<i>Salix matsudana</i> 'Tortuosa'	1000
Black Willow	<i>Salix nigra</i>	1,500
Japanese Pagoda	<i>Styphnolobium japonicum</i>	1000
Bald Cypress	<i>Taxodium distichum</i>	1000
American Basswood	<i>Tilia americana</i>	1,500
American Basswood 'Legend'	<i>Tilia americana</i> 'Legend'	1000
American Basswood 'Redmond'	<i>Tilia americana</i> 'Redmond'	1000
Little Leaf Linden	<i>Tilia cordata</i>	1000
Little Leaf Linden 'Glenleven'	<i>Tilia cordata</i> 'Glenleven'	1000
Little Leaf Linden 'Greenspire'	<i>Tilia cordata</i> 'Greenspire'	1000
Silver Linden	<i>Tilia tomentosa</i>	600
American Elm 'Patriot'	<i>Ulmus americana</i> 'Patriot'	1000
American Elm 'Valley Forge'	<i>Ulmus americana</i> 'Valley Forge'	1000
Accolade Elm	<i>Ulmus japonica</i> x <i>wilsoniana</i> 'Accolade'	600
Chinese Elm	<i>Ulmus parvifolia</i>	600
Japanese Zelkova	<i>Zelkova serrata</i>	1000
Musashino Columnar Zelkova	<i>Zelkova serrata</i> 'Musashino'	600

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TREE SPECIES		MINIMUM SOIL VOLUME (CU. FT.)
COMMON NAME	BOTANICAL NAME	
<b>SMALL DECIDUOUS TREES</b>		
Serviceberry	<i>Amelanchier arborea</i>	600
Shadblow Serviceberry	<i>Amelanchier canadensis</i>	600
Apple Serviceberry	<i>Amelanchier x grandiflora</i>	600
Allegheny Serviceberry	<i>Amelanchier laevis</i>	600
Pawpaw	<i>Asimina triloba</i>	1000
European Hornbeam	<i>Carpinus betulus</i>	1000
Upright European Hornbeam	<i>Carpinus betulus 'Fastigiata'</i>	600
American Hornbeam	<i>Carpinus caroliniana</i>	600
Eastern Redbud	<i>Cercis canadensis</i>	1000
Chinese Redbud	<i>Cercis chinensis</i>	600
Pagoda Dogwood	<i>Cornus alternifolia</i>	600
Giant Dogwood	<i>Cornus controversa</i>	1000
Flowering Dogwood (powdery mildew and anthracnose resistant varieties only)	<i>Cornus florida</i>	600
Kousa Dogwood	<i>Cornus kousa</i>	600
Cornelian Cherry Dogwood	<i>Cornus mas</i>	600
Turkish Hazel	<i>Corylus colurna</i>	600
Smoketree	<i>Cotinus coggygria</i>	600
Cockspur Hawthorn	<i>Crataegus crusgalli</i>	600
Washington Hawthorn	<i>Crataegus phaenopyrum</i>	600
Green Hawthorn	<i>Crataegus viridis</i>	600
Dove Tree	<i>Davidia involucreta</i>	600
Hardy Rubber Tree	<i>Eucommia ulmoides</i>	1000
Franklin Tree	<i>Franklinia alatamaha</i>	600
Carolina Silverbell	<i>Halesia tetraptera</i>	600
Witch Hazel	<i>Hamamelis virginiana</i>	600
Golden Rain Tree	<i>Koelreuteria paniculata</i>	1000
Crape Myrtle	<i>Lagerstroemia spp.</i>	600
Amur Maackia	<i>Maackia amurensis</i>	600
Big Leaf Magnolia	<i>Magnolia macrophylla</i>	1,500
Saucer Magnolia	<i>Magnolia x soulangiana</i>	1000
Star Magnolia	<i>Magnolia stellata</i>	600

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COMMON NAME	BOTANICAL NAME	
Sweetbay Magnolia	<i>Magnolia virginiana</i>	1000
American Hophornbeam	<i>Ostrya virginiana</i>	1000
Sourwood	<i>Oxydendron arboreum</i>	1000
Persian Ironwood	<i>Parrotia persica</i>	1000
Chinese Pistache	<i>Pistacia chinensis</i>	1000
American Red Plum	<i>Prunus americana</i>	600
Sweet Cherry	<i>Prunus avium</i>	1000
Sargent Cherry	<i>Prunus sargentii</i>	1000
Black Cherry	<i>Prunus serotina</i>	1000
Kwanzan Cherry	<i>Prunus serrulata 'Kwanzan'</i>	600
Autumnalis Cherry	<i>Prunus subhirtella 'Autumnalis'</i>	600
Yoshino Cherry	<i>Prunus x yedoensis</i>	600
Sassafras	<i>Sassafras albidum</i>	1000
Japanese Snowbell	<i>Styrax japonicus</i>	600
Japanese Tree Lilac	<i>Syringa reticulata</i>	600
Chinese Tree Lilac	<i>Syringa reticulata subsp. pekinensis</i>	600
Pondcypress	<i>Taxodium ascendens</i>	600