

Order	Common Name	Scientific Name	Characteristics	Location	Grid	Notes
10	Baldcypress	<i>Taxodium distichum</i> (Cupressaceae)  (formerly Taxodiaceae)  <i>Taxodium</i> = <i>Taxus</i> -like <i>distichum</i> = two-ranked (leaves)	<b>Conifer</b> <b>Bark:</b> redish-brown, shallow ridge & furrow to peeling/fibrous <b>Leaf:</b> alternate; needles are flattened, .3- .8" long; deciduous <b>Flower:</b> monoecious (both male pollen cones and female seed cones on same plant), pendulous 4-5" clusters in spring <b>Fruit:</b> closed round cone, .5-1" diameter, held in clusters, mature from green to brown in the fall	N of Guest Center  Between Fern Glade & Demonstration Vegetable Garden	F8  K10	50-70 ft; native to seasonally and permanently flooded soils in SE USA; pyramidal form when young, fluted trunk; produces "knees" in wet sites, taproot; fall color - rust-colored ; longest living tree of eastern North America (~1620 years); tolerant of many sites
11	Chinese pistache	<i>Pistacia chinensis</i> (Anacardiaceae)	<b>Bark:</b> gray-brown, shallow reddish-brown furrows, aging to rectangular flat-topped ridges <b>Leaf:</b> alternate; pinnately compound; 10-12 inches long, 10-12 lanceolate-narrow ovate leaflets <b>Flower:</b> dioecious; red to green, males 2-3 inch clusters; females looser, longer groups; appear before leaves in spring <b>Fruit:</b> bright red (later dark blue), round drupe, 1/2 inch diameter, ripen fall	Green parking lot	F8	40 ft. ; fall color - orange, red; native to China; good urban tree
12	Swamp white oak	<i>Quercus bicolor</i> (Fagaceae)  <i>bicolor</i> = two-colored (leaves)	<b>Bark:</b> young tree - flaky, peeling bark; mature tree - dark gray-brown with blocky ridges <b>Leaf:</b> alternate; simple; 5-10 rounded lobes; green above, silvery white below <b>Flower:</b> monoecious; male catkins, female inconspicuous <b>Fruit:</b> acorn, 0.5-1 inch long, enclosed halfway with warty cap	Green parking lot	E8	50-70 ft. ; fall color - copper, red, yellow; white oak group
13	River birch	<i>Betula nigra</i> (Betulaceae)  <i>Betula</i> = shine (bark) <i>nigra</i> = black(bark)	<b>Bark:</b> smooth on young trees, salmon to rust colored; later exfoliating <b>Leaf:</b> alternate; simple; pinnately-veined; doubly serrate; 1-1/2 to 3 inches long <b>Flower:</b> monoecious; reddish-green male catkins; female catkins upright <b>Fruit:</b> cone-like, aggregate; 1 to 1-1/2 inches long, reddish brown; 3-winged seeds ripen in fall	NE of Green parking lot	E9	40-70 ft. ; fall color - yellow; sometimes multi-trunked
14	Honeylocust	<i>Gleditsia triacanthos</i> (Fabaceae)  (formerly Leguminosae)  <i>Gleditsia</i> = J.D. <i>Gleditsch</i> <i>triacanthos</i> = three-spined	<b>Bark:</b> gray-brown to bronze, smooth, later developing long, narrow, curling plates; large branched thorns <b>Leaf:</b> alternate; pinnately or bipinnately compound; 15-30 ovate to elliptical leaflets <b>Flower:</b> polygamo-dioecious; small, greenish yellow, on 2-3 inch long hanging clusters, late spring to early summer <b>Fruit:</b> 6-8 inch long flattened, red-brown, leathery pod	Ditch east of Green parking lot	E9	30-70 ft. ; fall color - copper, yellow; light shade; thornless/seedless varieties available

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15	American elm	<i>Ulmus americana</i> ( <i>Ulmaceae</i> )	<b>Bark:</b> dark, ashy gray, flat-topped ridges separated by diamond-shaped fissures <b>Leaf:</b> alternate; simple; ovate to oblong; 3-5 inches long; doubly serrate; base inequilateral <b>Flower:</b> monoecious; small drooping clusters of 3 to 5, early spring before leaves <b>Fruit:</b> rounded, flat, papery, wafer-like samaras, 3/8 to 1/2 inch across, ripen in spring	Just south of Guest Center	H8	80-100 ft.; susceptible to Dutch elm disease; some cultivars resistant 'Princeton'; vase-shaped; fall color - yellow
16	Kentucky yellowwood	<i>Cladrastis kentukea</i> (formerly <i>C. lutea</i> ) ( <i>Fabaceae</i> )  (formerly <i>Leguminosae</i> )  <i>Cladastris = brittle branch</i> <i>lutea = yellowish</i>	<b>Bark:</b> usually multi-trunked 6-12" from ground, smooth grey bark <b>Twig:</b> smooth w/swollen nodes, zig-zag <b>Leaf bud:</b> very fuzzy <b>Leaf:</b> alternate, odd-pinnately compound leaf 6-13", 5-11 (usu 7-9) alternate entire leaflets, obovate w/slight tip, prominent straight (non-branching) side veins; deciduous <b>Flower:</b> perfect (monoecious), showy, 1" white, 5-petals in large, branched, drooping clusters up to 14" long, fragrant, late spring <b>Fruit:</b> 2-4" long flat narrow hairless pod containing 5-6 brown seeds, late summer	Demonstration Vegetable Garden, by creek	K10	30-50 ft.; fall color - yellow; heartwood is yellow
17	Littleleaf linden	<i>Tilia cordata</i> ( <i>Tiliaceae</i> )  <i>cordata = heart-shaped</i>	<b>Bark:</b> gray or brown, ridged with shallow furrows <b>Leaf:</b> alternate; simple; ovate to cordate; 2-4 inches long; serrate margins; pinnately veined <b>Flower:</b> monoecious; pale yellow, below a leafy bract, early to mid summer <b>Fruit:</b> round, 5-sided nutlet; ripens in fall	N of Teledyne pavilion	I7	40-50 ft.; fall color - yellow; good street tree
18	Southern magnolia	<i>Magnolia grandiflora</i> ( <i>Magnoliaceae</i> )  <i>Magnolia = Pierre Magnol</i> <i>grandiflora = large flower</i>	<b>Bark:</b> brown to gray; thin <b>Leaf:</b> alterante; simple; evergreen; oval to elliptical; thick; entire margin; underneath red-brown fuzz <b>Flower:</b> monoecious; showy and fragrant; large white petals <b>Fruit:</b> aggregate of follicles; seeds red; maturing in fall <b>Twig:</b> stipule scar conspicuous, encircling twig	SW of Lake Lonnie	I7	60-80 ft.; 'Little Gem' is dwarf form, up to 30 ft.; fall color - none

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