

## R&D Expenditure Ranking

(Source: NSF; FY 2008 data; as of 10/01/09)

Measure (source Table)	Latest ODU Rank	Other Virginia Schools
Total R&D Overall Public & Private (27)	<b>181 → 166 → 166 → 167 → 156</b>	VT (56→42→46), UVA (69→72→75→70), VCU (99→104→111→108), CWM (162→164→171→169), GMU (173→165→159→151), EVMS (188→192→200→206), HU (172→207→221→234), NSU (297→325→311→300), JMU (319→329→322→333)
Total R&D Overall Public (32)	<b>131 → 118 → 120 → 120 → 112</b>	VT (37→36→25→29), UVA (47→49→51→48), VCU (69→73→77→73), CWM (115→118→123→123), GMU (123→119→114→107) VSU (213), NSU (218)
Total R&D Overall, No Medical (35)	<b>71 → 71 → 68 → 61</b>	VT (13→??→10), CWM (68→69→71→70), HU (75→100→107→117), GMU (76→70→62→57), NSU (175→202→187→176), VSU (195→165→167→172), JMU (196→206→198→208)
Federal R&D Overall (28)	<b>182 → 175 → 171 → 174 → 172</b>	UVA (47→48→51→48), VT (83→79→74→72), VCU (96→104→104), GMU (154→155→143→139), CWM (171→168→173→175), HU (142→170→180→195), EVMS (188→194→190→208), NSU (274→300→284→268), JMU (314→320→316→323)
Non-Federal R&D (29, 40)	<b>177 → 154 → 156 → 152 → 131</b>	VT (25→22→17→22), VCU (101→66→117→111), UVA (120→131→136→132), CWM (150→154→156→149), GMU (167), EVMS (182→181→199→192) VSU (302)
Industry R&D (30)	<b>156 → 139</b>	VT (37→37), VCU (75→79), UVA (135→99), EVMS (147→140), CWM (212→201), GMU (192→232),

<p>Total R&amp;D Science &amp; Engr (36)</p>	<p><b>181 → 166 → 166 → 167 → 156</b></p>	<p>VT (56→54→42→46), UVA (69→72→75→70), VCU (99→104→111→108), CWM (162→164→171→169), GMU (173→165→159→151), EVMS (188→193→200→206), HU (172→200+→221→234)</p>
<p>Federal R&amp;D Science &amp; Engr. (37)</p>	<p><b>182 → 175 → 171 → 174 → 172</b></p> <p><b>Environmental Science:</b> <b>105 → 92 → 98 → 89</b></p> <p><b>Life Science:</b> <b>284 → 187 → 171 → 253 → 267</b></p> <p><b>Math&amp;Computer Sc:</b> <b>133 → 107 → 116 → 122</b></p> <p><b>Physical Science:</b> <b>172 → 146 → 135 → 155 → 148</b></p> <p><b>Psychology:</b> <b>153 → 119 → 108 → 139 → 166</b></p> <p><b>Social Science:</b> <b>179 → 136 → 128 → 102 → 169</b></p> <p><b>Engineering:</b> <b>66 → 68 → 84 → 74</b></p>	<p>UVA (47→48→51→48), VT (83→79→74→72), VCU (96→104→104), GMU (154→155→143→139), CWM (171→168→173→175), HU (142→170→180→195), EVMS (188→194→190→208), NSU (268), VSU (282), JMU (323)</p>
<p>Non-Federal R&amp;D Sc. &amp; Engr. (38)</p>	<p><b>177 → 154 → 156 → 152 → 131</b></p>	<p>VT (25→22→17→22), VCU (101→107→117→111), UVA (120→131→136→132), CWM (150→154→156→149), GMU (167) EVMS (182→181→199→192)</p>
<p>Total/Federal R&amp;D Computer Science (45)</p>	<p><b>Total: 97 → 98 → 102 → 86</b></p> <p><b>Federal: 91 → 119 → 120</b></p>	<p>VT (34→39→28→26), GMU (53→60→54→47), UVA (47→57→56→58), JMU (129)</p>
<p>Total R&amp;D Environmental (46)</p>	<p><b>Environmental: 96 → 86</b></p> <p><b>Oceanography: 40 → 37</b></p>	<p>CWM (22→20→20→23), HU (42→46→64), GMU (70→56→73→81), VT (64→86→79→83)</p>
<p>Federal R&amp;D Environmental (47)</p>	<p><b>Environmental: 98 → 89</b></p> <p><b>Oceanography: 38 → 37</b></p>	<p>CWM (24→23→23), HU (25→26→42), GMU (45→46→50→61), UVA (88→94→84→85)</p>
<p>Total R&amp;D Life Sciences (48)</p>	<p><b>211 → 196</b></p> <p><b>Biological: 189 → 182</b></p> <p><b>Medical: 174 → 160</b></p>	<p>UVA (67→68→71→67), VT (80→73→67→73), VCU (81→80→86→85), EVMS (137→141→142→144)</p>

Federal R&D Life Sciences (49)	253 → 268 Biological: 220→247 Medical: 217→216	UVA (47→46→46→42), VCU (73→74→79→73), VT (104→95→94→96), EVMS (137→138→138→140), VSU (186→191), GMU (194), CWM (311→288), HU (320), NSU (423→470)
Total & Federal R&D Biological Sciences (51)	Total: 190 → 182 Federal: 210→247	VT (75→55→58), UVA (48→58→59), VCU (76→70→70), EVMS (165→154), GMU (176), CWM (232→208), JMU (286→318)
Total & Federal R&D Medical Science (52)	Total: 175 → 160 Federal: 217 → 217	UVA (53→54→53), VCU (63→64→69), EVMS (98→103), VT (122), GMU (178), HU (206), JMU (240)
Total/Federal R&D Mathematical Sc. (53)	Total: 76 → 86→81 → 77 Federal: 93→108 → 107	GMU (33→91→22→47→24), VT (52→66→59→41), VCU (74→72), UVA (132→109), HU (173→131), JMU (187→174) CWM (195)
Total R&D Physical Science (54)	Overall: 128 → 112 Chemistry: 126→98 Physics: 104→95	UVA (59→66→67→62), VT (65→72→54→66), GMU (138), CWM (150→143), HU (196→137)
Federal R&D Physical Science (55)	Overall: 154 → 148 Chemistry: 160→165 Physics: 123→115	UVA (47→55→56→52), VT (87→81→76→90), HU(167→101), NSU (132→??), CWM (136→136), GMU (179→140), JMU (280→273)
Total Chemistry R&D (56)	Total: 126 → 98 Federal: 160 → 165	VT(33→39), UVA (73→66), VCU (110→111), NSU (122), CWM (207→202), GMU (239→271), HU (271→305), JMU (274→283)

Total Physics R&D (57)	<b>Total: 102 → 95</b> <b>Federal: 123 → 115</b>	UVA (67→56), HU (136→74), CWM (96→90), VT (85→92), NSU (146), VCU (167→172), GMU (168→203), JMU (213→211)
Total Psych R&D (58)	<b>Total: 114 → 117</b> <b>Federal: 139→166</b>	UVA (51→46), VT (78→72), GMU (83), VCU (85→86), CWM (189→166), JMU (241→228), VSU (372→215)
Total Soc. Sc. R&D (59)	<b>Overall: 107 → 129</b> <b>Economics: 80→75</b> <b>Political Science: 44→79</b> <b>Soc Sc: 68→82</b>	GMU (19→16), VT (56→61), VCU (62→83), CWM (147→145), UVA (196→191) NSU (331→345), VSU (316→441)
Federal Soc. Sc. R&D (60)	<b>Overall: 102 → 168</b> <b>Political Science: 30→122</b> <b>Soc. Science: 111→90</b>	GMU (8→9), VT (91→111), VCU (100→128), UVA (154→175), CWM (166→186), JMU (348→258), NSU (264→271)
Total R&D Engineering (61,62)	<b>Overall: 74→70 → 81→84→ 69</b> <b>AE: 18→19→17→24</b> <b>CE: 86→85→141→137</b> <b>EE: 25→39→43→51</b> <b>ME: 87→85→157→138</b> <b>Other: 57→30</b>	VT (13→11→11→10), UVA (50→53→60→57), GMU (163), VCU (179→173), NSU (247→227), HU (235), VSU (272), JMU (274)
Federal R&D Engineering (63)	<b>Overall: 68→63→ 69→84→ 74</b> <b>AE: 18→20→27→31</b> <b>CE: 88→84→169→152</b> <b>EE: 22→36→44→67</b> <b>ME: 82→87→149→152</b> <b>Other: 53→24</b>	VT (20→17→15→12), UVA (40→36→40→39), GMU (159→146), VCU (163→157), HU (215), NSU (231→204), VSU (232→255), JMU (271→256)
Total R&D Non-Science/Engr (66)	<b>Overall: 100→50→31→21→30</b> <b>Bus./Mgmt: 23→13→14→18</b> <b>Education: 39→25→15→17</b> <b>Humanities: 33→30→26→33</b> <b>Vis&amp;PerfArts: 18→13→16→8</b>	VCU (28→27→32→24), GMU (29→58→156→125), CWM (68→59→76), UVA (86→106→95→82), VT (147→130→130→170)
Federal R&D Non-Science/Engr. (67)	<b>Overall: 240 → 38→29→ 30</b> <b>Education: 181→21→16→16</b>	VCU (15→8→32→35→18), UVA (50→41→46→54→37), CWM (46→34→31→46), GMU (33→17→19→??→88), VT (129→152→135→207→213); JMU (318→277)

DoD R&D (72)	<b>86→70→67→80→79</b>	VT (38→29→40→42), GMU (47→75→66→59→58), UVA (55→48→51→65→60), VCU (115→109→125→162→152), CWM (102→128→125→142→175), HU (149→182→139→205), NSU (255→343→280→262)
DoE R&D (73)	<b>113→121→116→110→108</b>	VT (41→68→67→62), UVA (85→77→81→78), GMU (254→136→150→129→112), HU (156→140→139→115), CWM (162→167→159→155), VCU (195→208→125→222→135), JMU (248→254→232→230→256)
DHHS R&D (74)	<b>324→271→261→250→236</b>	UVA (40→44→44)→43, VCU (67→69→77→78), VT (147→137→135→128), EVMS (179→181), GMU (186), CWM (283→279→271→270), HU (290), NSU (297), VSU (387→428→430→??)
NASA R&D (75)	<b>42→50 → 50→47→51</b>	HU (9→5→13→16→24), GMU (33→35→37→29), UVA (56→66→65→59), VT (98→120→137→130→90), NSU (74→98→149→121), VCU (126→103→110→148→167), CWM (176→186→186→172→172). CNU (194), EVMS (207)
NSF R&D (76)	<b>125→135 → 127→136→132</b>	VT (49→44→44→47), UVA (59→66→63→67), CWM (99→98→108→108), GMU (107→142→139→134→117), VCU (172→186→169→142→137), HU (185→173→161→213→159), NSU (209→208→185→170), JMU (235→267→248→229→254)
Agriculture R&D (77)	<b>229 →273→226→241</b>	VT (22→17→20), VSU (72→49→44→49), GMU (123→122→135→120), CWM (126→135→162→201), JMU (156→188→208→218), VCU (173→210→268→309)