

TABLE 56

Companies performing or funding R&D on select technologies, by sector: 2021

(Percent)

Technology	All industries	Manufacturing industries	Nonmanufacturing industries
Advanced computing	2.4	2.0	2.4
Advanced sensing	0.8	2.0	0.7
Artificial intelligence	1.0	1.1	1.0
Autonomous systems and robotics	0.5	2.3	0.4
Additive manufacturing	0.7	4.3	0.6
Biotechnology	0.3	0.5	0.3
Human-machine interfaces	0.4	0.6	0.4
Communication and networking technologies	1.1	1.7	1.0
Advanced financial technologies	0.5	0.4	0.5
Advanced semiconductors and microelectronics	0.2	0.8	0.2
Advanced engineering materials	0.3	1.5	0.3
Renewable energy generation and storage	0.5	1.0	0.5
Advanced gas turbine engine technologies	0.2	0.4	0.2
Advanced nuclear energy technologies	0.1	0.2	0.1

Note(s):

Detail may not add to total because of rounding. Statistics are representative of companies located in the United States.

Source(s):

National Center for Science and Engineering Statistics and Census Bureau, 2022 Annual Business Survey: Data Year 2021.