



## Phoenix, United States

Phoenix is the twenty-first-ranked cluster, out of 21 American clusters, that falls within the top 100 S&T clusters in 2023. It filed **748 PCT applications** and published **2,864 scientific articles**, both per 1 million inhabitants over the last five years, making it the:

**96<sup>th</sup>** largest science and technology cluster in 2023 (down nine spots from 2022)

**83<sup>rd</sup>** S&T cluster by intensity (relative to population density) in 2023 (unchanged from 2022)

### Top PCT applicants

		Patents	Share
1	Intel	383	16%
2	Arizona Board of Regents, Acting for & On Behalf of Arizona State University	235	10%
3	Microchip Technology, Inc.	83	4%

### Top publishing organizations

		Articles	Share
1	Arizona State University	3,378	37%
2	Arizona State University-Tempe	2,222	25%
3	Mayo Clinic	749	8%

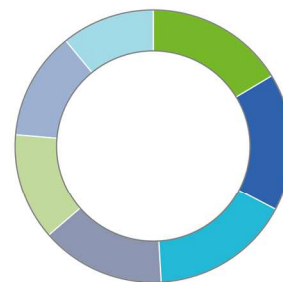
### Top technology fields in Phoenix

Patents



<span style="color: green;">■</span> Semiconductors (14%)	<span style="color: lightgreen;">■</span> Digital coms. (5%)
<span style="color: blue;">■</span> Medical tech. (13%)	<span style="color: grey;">■</span> Furniture, games (4%)
<span style="color: cyan;">■</span> Computer tech. (8%)	<span style="color: lightblue;">■</span> Pharma (4%)
<span style="color: purple;">■</span> Electrical machinery (6%)	

Publications



<span style="color: green;">■</span> Engineering (9%)	<span style="color: lightgreen;">■</span> Clinical medicine (7%)
<span style="color: blue;">■</span> Earth sciences (9%)	<span style="color: grey;">■</span> Physics & math (7%)
<span style="color: cyan;">■</span> Technology (9%)	<span style="color: lightblue;">■</span> Surgery (6%)
<span style="color: purple;">■</span> Chemistry (8%)	

**34%** of Phoenix's PCT patent applications are filed in collaboration with other inventors, with **San Jose–San Francisco, Portland** and **Boston–Cambridge** emerging as the top collaborative locations.

**73%** of Phoenix's scientific articles are published in collaboration with other organizations, with the top three collaborating locations being **Washington, New York City** and **Boston–Cambridge**.