

## Assessment of Library Collections

### Physics

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#### Journals

##### Library subscriptions by general count

FIU has 680 online journals in Physics and another 62 in Mathematical Physics (according to the Citation Linker on the library's web page). Print journals in Physics number 68. Overall, FIU has 810 journals in Physics, of which 92% (742) are online. The online collections center on the packages of the American Geophysical Union, American Institute of Physics, Elsevier Science Direct, Institute of Physics, Kluwer, Springer Link, and Wiley Interscience. Nature Publishing subscriptions are selective and include *Nature Physics*.

##### Citation-ranked literatures

FIU's holdings in the nine citation-ranked literatures of Physics are outlined Table 1. As shown, the overall proportion of holdings is 63% (237 of the 377 journals), ranging from 73% in Biophysics to 50% in Nuclear Physics. Since the last assessment (in 2005), the library has added 32 ranked journals—at that time, the overall proportion of holdings was 54%.

#### Books

The library's book approval plan for the sciences generally covers all university press titles and all trade-publisher titles on contemporary social or public policy aspects of science, engineering, and technology. For Physics, it includes handbooks.

Monograph standing orders in Physics include *Advances in Atomic, Molecular, and Optical Physics*; *Advances in Nuclear Physics*; *AIP Conference Proceedings*; *Annual Review of Astronomy and Astrophysics*; *Annual Review of Nuclear and Particle Science*; *Progress in Particle and Nuclear physics*; *Surface Science Reports*; and *Thin Films and Nanostructures*.

Both campus libraries have expansive budgets for faculty orders of additional books, as well as audio-visual and reference materials.

Of the library's approximately 55,000 electronic books, 216 have *physics* as a subject descriptor.

Table 1: Library Holdings in Nine Citation-ranked Literatures				
	Total number of journals	Number of FIU subscriptions	Percentage of FIU subscriptions	Number of titles not held by the library
Biophysics	63	46	73%	17
Applied Physics	71	44	62%	27
Atomic, Molecular & Chemical	30	20	67%	10
Condensed Matter	55	34	62%	21
Fluids & Plasmas	20	13	65%	7
Mathematical	29	18	62%	11
Multidisciplinary	67	39	58%	28
Nuclear	22	11	50%	11
Particles & Fields	20	12	60%	8
TOTALS	377	237	63%	140

## Databases

The library's collections of databases, about 300 in number, have at the core for Physics *INSPEC; Applied Science and Technology Full Text; and CRC Handbook of Chemistry and Physics*. Supplementary databases for Physics include *Engineering Index (Compendex); General Science Full Text; MathSciNet; Science Citation Index; ANTE: Abstracts in New Technologies and Engineering; Environmental Sciences and Pollution Management; National Technical Information Service; CSA High Technology Research Database with Aerospace; CSA Materials Research Database with METADEX; Access Science, CRC ENGnetBASE; NetLibrary Reference Center, and Oxford Reference Online Premium*.