

## Agrégation de Physique Chimie option Physique 2022

### Logiciels

Cette année les logiciels suivants seront installés sur l'ensemble des machines fournies par l'agrégation.

<b>PHYSIQUE</b>	<b>PHYSIQUE</b>	<b>MATH</b>	<b>CHIMIE</b>
green shot copie ecran	PASCO Capstone	Anaconda Navigator	3D Viewer
arduino	picolog recorder	Anaconda Prompt	Avogadro
audacity	PicoScope	EduPython	ChemBasic
avimeca2	pplane	GeoGebra	ChemSketch
bluesoleil	QtiPlot	Gum_MC	ChimGéné
caliens4,25	QUANTA	Gum_MC_Eleve_Lycee	ChimSol
caliens fft	Quantum Mechanics	IPython	CHNMR Viewer
ccd camera app	regavi	Jupyter Notebook	dosA
chroma	Regressi 4.5.7	Jupyter QTConsole	Dozzaqueux
DataTempMultidrop	SalsaJ	pyzo	Graphe2D
Dynamic	Satellites	scilab-6.0.0 (64-bit)	LatisChim
DynNOVA	Specamp	Scratch 2	LatiSpec
EMANIM	SpectraSuite	Spyder (4 et 5)	Latis-Pro
faraday_fr	SPID-HR	<b>MULTIMEDIA</b>	module regressi pour pHmètre conducti etc
Générateur	Synchronie 6	adobe air	module regressi pour Spectro
ImageJ	Tracker	flash player	Periodic Table
Interface Agreg	tuto_fourier	java	ReaChim
IrfanView	uEye Cockpit	avistep	Regressi
lasers_fr	USBProgrammer	blender	Specamp
Latis-Pro	VIDCAP32	VLC	Spectrophotomètre Prim'Light
melde	VidéoCom Mouvements	<b>BUREAUTIQUE</b>	<b>Spectrophotomètre WPA</b>
MesuresElectriquesV2.0 1	VidéoCom Spectres lumineux	acrobate reader	Synchronie 6
Mesurim_pro	VirtualDub	libreoffice	Tableau Périodique Dynamique
Optgeo	VLC media player prise vidéo	microsoft office	VESTA
Oscilloscope	NI Lanceur d'applications	winrar	
oVisio	NI MAX		

Si vous souhaitez utiliser un logiciel qui ne figure pas dans cette liste ou une mise à jour d'un logiciel merci d'en avvertir les professeurs préparateurs ainsi que Patrice DESVAUX , responsable du parc informatique : [patrice.desvaux@gmail.com](mailto:patrice.desvaux@gmail.com) (et copie à : [Sebastien.Reyt@ac-versailles.fr](mailto:Sebastien.Reyt@ac-versailles.fr), [solenn.vaupre@univ-grenoble-alpes.fr](mailto:solenn.vaupre@univ-grenoble-alpes.fr) et [sebastiengruat@hotmail.fr](mailto:sebastiengruat@hotmail.fr) )

## Listes des librairies pour anaconda et winpython

### Anaconda 3 (spyder 4) python 3.8 :

```
(base) PS C:\Users\agregation> conda list
# packages in environment at C:\ProgramData\Anaconda3:
#
# Name          Version          Build Channel
_ipyw_jlab_nb_ext_conf 0.1.0            py38_0
alabaster       0.7.12          pyhd3eb1b0_0
anaconda        2021.05         py38_0
anaconda-client 1.7.2           py38_0
anaconda-navigator 2.0.3          py38_0
anaconda-project 0.9.1          pyhd3eb1b0_1
anyio           2.2.0           py38haa95532_2
appdirs         1.4.4           py_0
argh            0.26.2          py38_0
argon2-cffi     20.1.0          py38h2bfff1b_1
asn1crypto      1.4.0           py_0
astroid         2.5             py38haa95532_1
astropy         4.2.1           py38h2bfff1b_1
async_generator 1.10            pyhd3eb1b0_0
atomicwrites    1.4.0           py_0
attrs           20.3.0          pyhd3eb1b0_0
autopep8        1.5.6           pyhd3eb1b0_0
babel           2.9.0           pyhd3eb1b0_0
backcall        0.2.0           pyhd3eb1b0_0
backports       1.0             pyhd3eb1b0_2
backports.functools_lru_cache 1.6.4          pyhd3eb1b0_0
backports.shutil_get_terminal_size 1.0.0         pyhd3eb1b0_3
backports.tempfile 1.0            pyhd3eb1b0_1
backports.weakref 1.0.post1      py_1
bcrypt          3.2.0           py38he774522_0
beautifulsoup4  4.9.3           pyha847dfd_0
bitarray        1.9.2           py38h2bfff1b_1
bkcharts        0.2             py38_0
black           19.10b0         py_0
blas            1.0             mkl
bleach          3.3.0           pyhd3eb1b0_0
blosc           1.21.0          h19a0ad4_0
bokeh           2.3.2           py38haa95532_0
boto            2.49.0          py38_0
bottleneck     1.3.2           py38h2a96729_1
brotli          1.0.9           ha925a31_2
brotlipy        0.7.0           py38h2bfff1b_1003
bzip2           1.0.8           he774522_0
ca-certificates 2021.4.13       haa95532_1
certifi         2020.12.5       py38haa95532_0
cffi            1.14.5          py38hcd4344a_0
chardet         4.0.0           py38haa95532_1003
charls          2.2.0           h6c2663c_0
click           7.1.2           pyhd3eb1b0_0
cloudpickle     1.6.0           py_0
clyent          1.2.2           py38_1
colorama        0.4.4           pyhd3eb1b0_0
comtypes        1.1.9           py38haa95532_1002
conda           4.10.1          py38haa95532_1
conda-build     3.21.4          py38haa95532_0
conda-content-trust 0.1.1          pyhd3eb1b0_0
conda-env       2.6.0           1
```

conda-package-handling	1.7.3	py38h8cc25b3_1
conda-repo-cli	1.0.4	pyhd3eb1b0_0
conda-token	0.3.0	pyhd3eb1b0_0
conda-verify	3.4.2	py_1
console_shortcut	0.1.1	4
contextlib2	0.6.0.post1	py_0
cryptography	3.4.7	py38h71e12ea_0
curl	7.71.1	h2a8f88b_1
cycler	0.10.0	py38_0
cython	0.29.23	py38hd77b12b_0
cytoolz	0.11.0	py38he774522_0
dask	2021.4.0	pyhd3eb1b0_0
dask-core	2021.4.0	pyhd3eb1b0_0
decorator	5.0.6	pyhd3eb1b0_0
defusedxml	0.7.1	pyhd3eb1b0_0
diff-match-patch	20200713	py_0
distributed	2021.4.0	py38haa95532_0
docutils	0.17	py38haa95532_1
entrypoints	0.3	py38_0
et_xmlfile	1.0.1	py_1001
fastcache	1.1.0	py38he774522_0
filelock	3.0.12	pyhd3eb1b0_1
flake8	3.9.0	pyhd3eb1b0_0
flask	1.1.2	pyhd3eb1b0_0
freetype	2.10.4	hd328e21_0
fsspec	0.9.0	pyhd3eb1b0_0
future	0.18.2	py38_1
get_terminal_size	1.0.0	h38e98db_0
gevent	21.1.2	py38h2bbff1b_1
giflib	5.2.1	h62dcd97_0
glob2	0.7	pyhd3eb1b0_0
greenlet	1.0.0	py38hd77b12b_2
h5py	2.10.0	py38h5e291fa_0
hdf5	1.10.4	h7ebc959_0
heapdict	1.0.1	py_0
html5lib	1.1	py_0
icc_rt	2019.0.0	h0cc432a_1
icu	58.2	ha925a31_3
idna	2.10	pyhd3eb1b0_0
imagecodecs	2021.3.31	py38h5da4933_0
imageio	2.9.0	pyhd3eb1b0_0
imagesize	1.2.0	pyhd3eb1b0_0
importlib-metadata	3.10.0	py38haa95532_0
importlib_metadata	3.10.0	hd3eb1b0_0
iniconfig	1.1.1	pyhd3eb1b0_0
intel-openmp	2021.2.0	haa95532_616
intervaltree	3.1.0	py_0
ipykernel	5.3.4	py38h5ca1d4c_0
ipython	7.22.0	py38hd4e2768_0
ipython_genutils	0.2.0	pyhd3eb1b0_1
ipywidgets	7.6.3	pyhd3eb1b0_1
isort	5.8.0	pyhd3eb1b0_0
itsdangerous	1.1.0	pyhd3eb1b0_0
jdcal	1.4.1	py_0
jedi	0.17.2	py38haa95532_1
jinja2	2.11.3	pyhd3eb1b0_0
joblib	1.0.1	pyhd3eb1b0_0
jpeg	9b	hb83a4c4_2
json5	0.9.5	py_0
jsonschema	3.2.0	py_2

jupyter	1.0.0	py38_7	
jupyter-packaging	0.7.12	pyhd3eb1b0_0	
jupyter_client	6.1.12	pyhd3eb1b0_0	
jupyter_console	6.4.0	pyhd3eb1b0_0	
jupyter_core	4.7.1	py38haa95532_0	
jupyter_server	1.4.1	py38haa95532_0	
jupyterlab	3.0.14	pyhd3eb1b0_1	
jupyterlab_pygments	0.1.2	py_0	
jupyterlab_server	2.4.0	pyhd3eb1b0_0	
jupyterlab_widgets	1.0.0	pyhd3eb1b0_1	
keyring	22.3.0	py38haa95532_0	
kiwisolver	1.3.1	py38hd77b12b_0	
krb5	1.18.2	hc04afaa_0	
lazy-object-proxy	1.6.0	py38h2bbff1b_0	
lcms2	2.12	h83e58a3_0	
lerc	2.2.1	hd77b12b_0	
libaec	1.0.4	h33f27b4_1	
libarchive	3.4.2	h5e25573_0	
libcurl	7.71.1	h2a8f88b_1	
libdeflate	1.7	h2bbff1b_5	
libiconv	1.15	h1df5818_7	
liblief	0.10.1	ha925a31_0	
libpng	1.6.37	h2a8f88b_0	
libsodium	1.0.18	h62dcd97_0	
libspatialindex	1.9.3	h6c2663c_0	
libssh2	1.9.0	h7a1dbc1_1	
libtiff	4.2.0	hd0e1b90_0	
libxml2	2.9.10	hb89e7f3_3	
libxslt	1.1.34	he774522_0	
libzopfli	1.0.3	ha925a31_0	
llvmlite	0.36.0	py38h34b8924_4	
locket	0.2.1	py38haa95532_1	
lxml	4.6.3	py38h9b66d53_0	
lz4-c	1.9.3	h2bbff1b_0	
lzo	2.10	he774522_2	
m2w64-gcc-libgfortran	5.3.0		6
m2w64-gcc-libs	5.3.0		7
m2w64-gcc-libs-core	5.3.0		7
m2w64-gmp	6.1.0		2
m2w64-libwinpthread-git	5.0.0.4634.697f757		2
markupsafe	1.1.1	py38he774522_0	
matplotlib	3.3.4	py38haa95532_0	
matplotlib-base	3.3.4	py38h49ac443_0	
mccabe	0.6.1	py38_1	
menuinst	1.4.16	py38he774522_1	
mistune	0.8.4	py38he774522_1000	
mkl	2021.2.0	haa95532_296	
mkl-service	2.3.0	py38h2bbff1b_1	
mkl_fft	1.3.0	py38h277e83a_2	
mkl_random	1.2.1	py38hf11a4ad_2	
mock	4.0.3	pyhd3eb1b0_0	
more-itertools	8.7.0	pyhd3eb1b0_0	
mpmath	1.2.1	py38haa95532_0	
msgpack-python	1.0.2	py38h59b6b97_1	
msys2-conda-epoch	20160418		1
multipledispatch	0.6.0	py38_0	
mypy_extensions	0.4.3	py38_0	
navigator-updater	0.2.1	py38_0	
nbclassic	0.2.6	pyhd3eb1b0_0	
nbclient	0.5.3	pyhd3eb1b0_0	

nbconvert	6.0.7	py38_0
nbformat	5.1.3	pyhd3eb1b0_0
nest-asyncio	1.5.1	pyhd3eb1b0_0
networkx	2.5	py_0
nltk	3.6.1	pyhd3eb1b0_0
nose	1.3.7	pyhd3eb1b0_1006
notebook	6.3.0	py38haa95532_0
numba	0.53.1	py38hf11a4ad_0
numexpr	2.7.3	py38hb80d3ca_1
numpy	1.20.1	py38h34a8a5c_0
numpy-base	1.20.1	py38haf7ebc8_0
numpydoc	1.1.0	pyhd3eb1b0_1
olefile	0.46	py_0
openjpeg	2.3.0	h5ec785f_1
openpyxl	3.0.7	pyhd3eb1b0_0
openssl	1.1.1k	h2bbff1b_0
packaging	20.9	pyhd3eb1b0_0
pandas	1.2.4	py38hd77b12b_0
pandoc	2.12	haa95532_0
pandocfilters	1.4.3	py38haa95532_1
paramiko	2.7.2	py_0
parso	0.7.0	py_0
partd	1.2.0	pyhd3eb1b0_0
path	15.1.2	py38haa95532_0
path.py	12.5.0	0
pathlib2	2.3.5	py38haa95532_2
pathspec	0.7.0	py_0
patsy	0.5.1	py38_0
pep8	1.7.1	py38_0
pexpect	4.8.0	pyhd3eb1b0_3
pickleshare	0.7.5	pyhd3eb1b0_1003
pillow	8.2.0	py38h4fa10fc_0
pip	21.0.1	py38haa95532_0
pkginfo	1.7.0	py38haa95532_0
pluggy	0.13.1	py38haa95532_0
ply	3.11	py38_0
powershell_shortcut	0.0.1	3
prometheus_client	0.10.1	pyhd3eb1b0_0
prompt-toolkit	3.0.17	pyh06a4308_0
prompt_toolkit	3.0.17	hd3eb1b0_0
psutil	5.8.0	py38h2bbff1b_1
ptyprocess	0.7.0	pyhd3eb1b0_2
py	1.10.0	pyhd3eb1b0_0
py-lief	0.10.1	py38ha925a31_0
pycodestyle	2.6.0	pyhd3eb1b0_0
pycosat	0.6.3	py38h2bbff1b_0
pycparser	2.20	py_2
pycurl	7.43.0.6	py38h7a1dbc1_0
pydocstyle	6.0.0	pyhd3eb1b0_0
pyerfa	1.7.3	py38h2bbff1b_0
pyflakes	2.2.0	pyhd3eb1b0_0
pygments	2.8.1	pyhd3eb1b0_0
pylint	2.7.4	py38haa95532_1
pyls-black	0.4.6	hd3eb1b0_0
pyls-spyder	0.3.2	pyhd3eb1b0_0
pynacl	1.4.0	py38h62dcd97_1
pyodbc	4.0.30	py38ha925a31_0
pyopenssl	20.0.1	pyhd3eb1b0_1
pyarsing	2.4.7	pyhd3eb1b0_0
pyqt	5.9.2	py38ha925a31_4

pyreadline	2.1	py38_1
pysistent	0.17.3	py38he774522_0
pysocks	1.7.1	py38haa95532_0
pytables	3.6.1	py38ha5be198_0
pytest	6.2.3	py38haa95532_2
python	3.8.8	hdbf39b2_5
python-dateutil	2.8.1	pyhd3eb1b0_0
python-jsonrpc-server	0.4.0	py_0
python-language-server	0.36.2	pyhd3eb1b0_0
python-libarchive-c	2.9	pyhd3eb1b0_1
pytz	2021.1	pyhd3eb1b0_0
pywavelets	1.1.1	py38he774522_2
pywin32	227	py38he774522_1
pywin32-ctypes	0.2.0	py38_1000
pywinpty	0.5.7	py38_0
pyyaml	5.4.1	py38h2bbff1b_1
pyzmq	20.0.0	py38hd77b12b_1
qdarkstyle	2.8.1	py_0
qt	5.9.7	vc14h73c81de_0
qtawesome	1.0.2	pyhd3eb1b0_0
qtconsole	5.0.3	pyhd3eb1b0_0
qtpy	1.9.0	py_0
regex	2021.4.4	py38h2bbff1b_0
requests	2.25.1	pyhd3eb1b0_0
rope	0.18.0	py_0
rtree	0.9.7	py38h2eaa2aa_1
ruamel_yaml	0.15.100	py38h2bbff1b_0
scikit-image	0.18.1	py38hf11a4ad_0
scikit-learn	0.24.1	py38hf11a4ad_0
scipy	1.6.2	py38h66253e8_1
seaborn	0.11.1	pyhd3eb1b0_0
send2trash	1.5.0	pyhd3eb1b0_1
setuptools	52.0.0	py38haa95532_0
simplegeneric	0.8.1	py38_2
singledispatch	3.6.1	pyhd3eb1b0_1001
sip	4.19.13	py38ha925a31_0
six	1.15.0	py38haa95532_0
snappy	1.1.8	h33f27b4_0
sniffio	1.2.0	py38haa95532_1
snowballstemmer	2.1.0	pyhd3eb1b0_0
sortedcollections	2.1.0	pyhd3eb1b0_0
sortedcontainers	2.3.0	pyhd3eb1b0_0
soupsieve	2.2.1	pyhd3eb1b0_0
sphinx	4.0.1	pyhd3eb1b0_0
sphinxcontrib	1.0	py38_1
sphinxcontrib-applehelp	1.0.2	pyhd3eb1b0_0
sphinxcontrib-devhelp	1.0.2	pyhd3eb1b0_0
sphinxcontrib-htmlhelp	1.0.3	pyhd3eb1b0_0
sphinxcontrib-jsmath	1.0.1	pyhd3eb1b0_0
sphinxcontrib-qthelp	1.0.3	pyhd3eb1b0_0
sphinxcontrib-serializinghtml	1.1.4	pyhd3eb1b0_0
sphinxcontrib-websupport	1.2.4	py_0
spyder	4.2.5	py38haa95532_0
spyder-kernels	1.10.2	py38haa95532_0
sqlalchemy	1.4.7	py38h2bbff1b_0
sqlite	3.35.4	h2bbff1b_0
statsmodels	0.12.2	py38h2bbff1b_0
sympy	1.8	py38haa95532_0
tbb	2020.3	h74a9793_0
tblib	1.7.0	py_0

terminado	0.9.4	py38haa95532_0
testpath	0.4.4	pyhd3eb1b0_0
textdistance	4.2.1	pyhd3eb1b0_0
threadpoolctl	2.1.0	pyh5ca1d4c_0
three-merge	0.1.1	pyhd3eb1b0_0
tiff file	2021.4.8	pyhd3eb1b0_2
tk	8.6.10	he774522_0
toml	0.10.2	pyhd3eb1b0_0
toolz	0.11.1	pyhd3eb1b0_0
tornado	6.1	py38h2bbff1b_0
tqdm	4.59.0	pyhd3eb1b0_1
traitlets	5.0.5	pyhd3eb1b0_0
typed-ast	1.4.2	py38h2bbff1b_1
typing_extensions	3.7.4.3	pyha847dfd_0
ujson	4.0.2	py38hd77b12b_0
unicodcsv	0.14.1	py38_0
urllib3	1.26.4	pyhd3eb1b0_0
vc	14.2	h21ff451_1
vs2015_runtime	14.27.29016	h5e58377_2
watchdog	1.0.2	py38haa95532_1
wcwidth	0.2.5	py_0
webencodings	0.5.1	py38_1
werkzeug	1.0.1	pyhd3eb1b0_0
wheel	0.36.2	pyhd3eb1b0_0
widgetsnbextension	3.5.1	py38_0
win_inet_pton	1.1.0	py38haa95532_0
win_unicode_console	0.5	py38_0
wincertstore	0.2	py38_0
winpty	0.4.3	4
wrapt	1.12.1	py38he774522_1
xlrd	2.0.1	pyhd3eb1b0_0
xlswriter	1.3.8	pyhd3eb1b0_0
xlwings	0.23.0	py38haa95532_0
xlwt	1.3.0	py38_0
xmltodict	0.12.0	py_0
xz	5.2.5	h62dcd97_0
yaml	0.2.5	he774522_0
yapf	0.31.0	pyhd3eb1b0_0
zeromq	4.3.3	ha925a31_3
zfp	0.5.5	hd77b12b_6
zict	2.0.0	pyhd3eb1b0_0
zipp	3.4.1	pyhd3eb1b0_0
zlib	1.2.11	h62dcd97_4
zope	1.0	py38_1
zope.event	4.5.0	py38_0
zope.interface	5.3.0	py38h2bbff1b_0
zstd	1.4.5	h04227a9_0

### **Winpython (spyder 5) python 3.9 :**

PS D:\WPY64-3940\scripts> pip list

Package	Version
-----	
adodbapi	2.6.1.3
affine	2.3.0
aiofiles	0.6.0
aiohttp	3.7.4.post0
aiosqlite	0.17.0
alabaster	0.7.12
altair	4.1.0

altair-data-server	0.4.1
altair-transform	0.2.0
altair-widgets	0.2.2
altgraph	0.17
amply	0.1.4
aniso8601	9.0.1
ansiwrap	0.8.4
anyio	2.2.0
appdirs	1.4.4
argon2-cffi	20.2.0.dev0
arrow	1.0.3
asciitree	0.3.3
asgi-csrf	0.6.1
asgiref	3.3.4
asteval	0.9.23
astroid	2.5.3
astroML	1.0.1
astropy	4.2.1
async-generator	1.10
async-timeout	3.0.1
atomicwrites	1.4.0
attrs	20.3.0
autopep8	1.5.5
Babel	2.9.0
backcall	0.2.0
backports-abc	0.5
baresql	0.7.6
bcrypt	3.1.7
beautifulsoup4	4.9.3
binaryornot	0.4.4
black	20.8b1
bleach	3.3.0
blinker	1.4
blosc	1.10.2
bloscpack	0.16.0
bokeh	2.3.1
botorch	0.4.0
Bottleneck	1.3.2
bqplot	0.12.25
branca	0.4.2
brewer2mpl	1.4.1
Brotli	1.0.9
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