

NAME

`sem_close` – close a named semaphore

SYNOPSIS

```
#include <semaphore.h>
```

```
int sem_close(sem_t *sem);
```

Link with `-pthread`.

DESCRIPTION

`sem_close()` closes the named semaphore referred to by `sem`, allowing any resources that the system has allocated to the calling process for this semaphore to be freed.

RETURN VALUE

On success `sem_close()` returns 0; on error, `-1` is returned, with `errno` set to indicate the error.

ERRORS**EINVAL**

`sem` is not a valid semaphore.

ATTRIBUTES

For an explanation of the terms used in this section, see [attributes\(7\)](#).

Interface	Attribute	Value
<code>sem_close()</code>	Thread safety	MT-Safe

CONFORMING TO

POSIX.1-2001, POSIX.1-2008.

NOTES

All open named semaphores are automatically closed on process termination, or upon [execve\(2\)](#).

SEE ALSO

[sem_getvalue\(3\)](#), [sem_open\(3\)](#), [sem_post\(3\)](#), [sem_unlink\(3\)](#), [sem_wait\(3\)](#), [sem_overview\(7\)](#)

COLOPHON

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